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at 1300 York Avenue, New York City and the first year,
also, at Ithaca, N. Y.

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CALENDAR

1935

- Sept. 16. Monday—Examinations begin for admission to the first year of all departments of Cornell University at Ithaca, N. Y. Examinations are held at the Medical College, New York City, for the convenience of residents.
- Sept. 25. Wednesday—Examinations begin for conditioned medical students.
- Sept. 30. Monday—Registration Day*
- Oct. 1. Tuesday—Classes begin. First quarter and first trimester begin.**
- Nov. 5. Tuesday—Election Day. Legal holiday.
- Nov. 27. Wednesday—First quarter ends.
Thanksgiving recess begins, 6 P. M.
- Dec. 2. Monday—Second quarter begins.
Thanksgiving recess ends, 9 A. M.
- Dec. 21. Saturday—First trimester ends.
Christmas recess begins, 1 P. M.

1936

- Jan. 3. Friday—Second trimester begins.
Christmas recess ends, 9 A. M.
- Jan. 15. Wednesday—Second half tuition due.
- Feb. 8. Saturday—Second quarter ends.
- Feb. 10. Monday—Third quarter begins.
- Feb. 22. Saturday—Washington's Birthday. Legal holiday.
- Mar. 19. Thursday—Second trimester ends.
- Mar. 20. Friday—Third trimester begins.
- Apr. 9. Thursday—Third quarter ends.
Easter recess begins, 6 P. M.
- Apr. 13. Monday—Fourth quarter begins.
Easter recess ends, 9 A. M.
- May 30. Saturday—Memorial Day. Legal holiday.
- June 6. Saturday—Fourth quarter and third trimester end.
- June 8-11, inc. Final examinations.
- June 17. Wednesday—Commencement, 4 P. M.

*All students must register in person at the dean's office on or before September 30. No student will be admitted after Registration Day without special permission of the Associate Dean. Upon registration all fees must be paid at the business office.

**The first and second years of the medical course are divided into trimesters; the third and fourth into quarters.

BOARD OF TRUSTEES

The President of the University		Ithaca
The Governor of New York State	} <i>Ex-Officio</i>	Albany
The Lieutenant-Governor of New York State		Albany
The Speaker of the Assembly		Albany
The State Commissioner of Education		Albany
The State Commissioner of Agriculture		Albany
The President of the State Agricultural Society		Albany
The Librarian of the Cornell Library		Ithaca
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*FRANK H. HISCOCK, A. B., LL.D. (B)		Syracuse
*NICHOLAS H. NOYES, A.B. (B)		Indianapolis, Ind.
*J. DUPRATT WHITE, B.L. (B)		New York
*MAURICE C. BURRITT, M.S. Agr. (A)		Hilton
*ROBERT E. TREMAN, A. B. (A)		Ithaca
*STANTON GRIFFIS, A.B. (G)		New York
NEAL D. BECKER, LL.B., A.B. (B)		Brooklyn
ROBERT H. TREMAN, B. M. E. (B)		Ithaca
ROGER H. WILLIAMS, A.M. (B)		New York
ARCHIE C. BURNETT, LL.B. (A)		Boston, Mass.
MARY M. CRAWFORD, A.B., M.D. (A)		New York
EDWARD R. EASTMAN (G)		Ithaca
FRANK E. GANNETT, A.B. (B)		Rochester
FRANKLIN W. OLIN, C.E. (B)		Alton, Ill.
EZRA B. WHITMAN, C. E. (B)		Pittsburgh, Pa.
BANCROFT GHERARDI, M.E., M.M.E. (A)		New York
JACOB F. SCHOELLKOPF, JR., A.B. (A)		Buffalo
MYRON C. TAYLOR, LL.B., LL.D. (G)		New York
JERVIS LANGDON, B. L. (B)		Elmira
HARPER SIBLEY, A.B., LL.B., (B)		Rochester
WALTER C. TEAGLE, B.S. (B)		New York
CHARLES H. BLAIR, B.S. (A)		New York
JAMES W. PARKER, M.E. (A)		Detroit, Mich.
GEORGE R. VANNAMEE, LL.B. (G)		New York
AUGUST HECKSCHER (B)		New York
HENRY R. ICKELHEIMER, B.L. (B)		New York
MAXWELL M. UPSON, A. B., M.E., Eng. D. (B)		New York
GEORGE R. PFANN, A.B. (A)		New York
ANDREW J. WHINERY, A.B. (A)		Newark, N.J.
HORACE WHITE, A.B., LL.B. (G)		Syracuse
HOWARD E. BABCOCK, Ph.B. (Gr)		Ithaca

FACULTY REPRESENTATIVES

JULIAN P. BRETZ, Ph.D.	Ithaca
HERBERT H. WHETZEL, A.M.	Ithaca
ROBERT S. STEVENS, LL.B.	Ithaca

*Term of office expires in 1936; the next group of six in 1937, etc. B, elected by the Board; A, elected by the Alumni; G, appointed by the Governor; Gr, elected by the State Grange.

THE NEW YORK HOSPITAL-CORNELL MEDICAL COLLEGE ASSOCIATION

The Association was formed by an agreement between New York Hospital and Cornell University in order to associate organically the hospital and the medical college and to effect a complete coordination of the medical, educational, and scientific activities of the two institutions.

The Association is not incorporated. It is operated under the supervision of a Joint Administrative Board, composed of three Governors of the New York Hospital, three representatives of the Trustees of Cornell University, and one other member elected by the appointed members.

The Joint Administrative Board is composed of the following members:

WILSON M. POWELL, <i>Chairman</i>	LIVINGSTON FARRAND
FRANK L. POLK	J. DUPRATT WHITE
WILLIAM WOODWARD	WALTER L. NILES
J. PIERPONT MORGAN	

MEDICAL COLLEGE COUNCIL

The Council was established by action of the Trustees of Cornell University for the purpose of making recommendations to the Board of Trustees or the Executive Committee in relation to the business management of the Medical College. It is composed of the President of the University, the Provost of the University, the Dean of the Medical College, three members of the Board of Trustees elected by the Trustees, and two members of the Medical Faculty elected by the Faculty.

The Council at present consists of the following members:

LIVINGSTON FARRAND, President of Cornell University, *Chairman, ex officio.*

ALBERT R. MANN, Provost of the University.

WILLIAM S. LADD, Associate Dean and Acting Dean, Cornell University Medical College.

HENRY R. ICKELHEIMER	} of the Board of Trustees.
MYRON C. TAYLOR	
ROGER H. WILLIAMS	

STANLEY R. BENEDICT	} of the Faculty.
HENRICUS J. STANDER	

WALLACE LUND, *Secretary.*

OFFICERS OF ADMINISTRATION

LIVINGSTON FARRAND, *President.*

ALBERT R. MANN, *Provost.*

WILLIAM S. LADD, *Associate Dean (Acting Dean).*

J. S. FERGUSON, *Secretary of the Faculty.*

MARGARET BARRY, *Recorder.*

WALLACE LUND, *Secretary of Council and Business Manager.*

JOSEPHINE G. NICHOLS, *Librarian.*

EXECUTIVE FACULTY

LIVINGSTON FARRAND

STANLEY R. BENEDICT
EUGENE F. DuBois
WILLIAM J. ELSEY
GEORGE J. HEUER
WILLIAM S. LADD
SAMUEL Z. LEVINE

JAMES M. NEILL
EUGENE L. OPIE
HENRICUS J. STANDER
CHARLES R. STOCKARD
JOHN C. TORREY

STANDING COMMITTEES*

COMMITTEE ON CURRICULUM

EUGENE L. OPIE, *Chairman*
EUGENE F. DuBois

HENRICUS J. STANDER
CHARLES R. STOCKARD

COMMITTEE ON ADMISSIONS

J. S. FERGUSON, *Chairman*

DAYTON J. EDWARDS

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LIBRARY COMMITTEE

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D. MURRAY ANGEVINE
GEORGE W. HENRY
RICHARD W. JACKSON

CHARLES V. MORRILL
JAMES M. NEILL
HENRY B. RICHARDSON
MRS. JOSEPHINE NICHOLS

COMMITTEE ON PROMOTION AND GRADUATION

ACTING DEAN, *Chairman*

Heads of Departments, or their representatives, responsible for the more important courses of each year.

COMMITTEE ON SCHOLARSHIPS AND PRIZES

CHARLES R. STOCKARD, *Chairman*

SAMUEL Z. LEVINE

JAMES M. NEILL

**The Acting Dean is ex-officio a member of all Committees.*

THE FACULTY AND TEACHING STAFF

THE FACULTY

LIVINGSTON FARRAND, M.D., President of Cornell University.

A.B. 1888, A.M. 1891, Princeton; M.D. 1891, Columbia; Ph.D. hon. 1924, Rensselaer; L.H.D. 1922, Hobart; LL.D. 1914 Colorado College and Denver, 1917 Michigan, 1919 Colorado, 1922 Union, Princeton and Colgate, 1923 Yale, 1925 Pennsylvania and Dartmouth, 1927 Toronto, 1929 Columbia, 1934 Syracuse.

ALBERT R. MANN, Sc.D., Provost of Cornell University.

B.S.A. 1904, Cornell; A.M. 1916, Chicago; Sc.D. 1928, Syracuse; D. Agr. 1929, Rhode Island State; L.L.D. 1930 California and 1934 Wisconsin.

WILLIAM S. LADD, M.D. Associate Dean and Acting Dean.

B.S. 1910, Amherst; M.D. 1915, Columbia.

PROFESSORS EMERITI

J. CLIFTON EDGAR, M.D.	Professor of Obstetrics, <i>Emeritus</i>
GEORGE WOOLSEY, M.D.	Professor of Clinical Surgery, <i>Emeritus</i>
IRVING S. HAYNES, M.D.	Professor of Clinical Surgery, <i>Emeritus</i>
JOHN ROGERS, A.B., M.D.	Professor of Clinical Surgery, <i>Emeritus</i>
FREDERICK WHITING, M.D.	Professor of Clinical Surgery, Department of Otology, <i>Emeritus</i>
CHARLES L. GIBSON, M.D.	Professor of Surgery, <i>Emeritus</i>
CHARLES L. DANA, M.D.	Professor of Clinical Medicine, Department of Neurology, <i>Emeritus</i>
WILLIAM L. RUSSELL, M.D.	Professor of Psychiatry, <i>Emeritus</i>
GEORGE GRAY WARD, M.D.	Professor of Obstetrics and Gynecology, <i>Emeritus</i>
ROBERT A. HATCHER, M.D.	Professor of Pharmacology, <i>Emeritus</i>

PROFESSORS

JAMES EWING, M.D., Professor of Oncology.

Director of Cancer Research, Memorial Hospital.

Consulting Pathologist, New York Hospital.

A.B. 1888, A.M. 1891, Sc.D. 1923, Amherst; M.D. 1891, Columbia; Sc.D. 1911, Pittsburgh.

CHARLES R. STOCKARD, Ph.D., M.D., Professor of Anatomy.

Director, Experimental Morphology Station.

B.S. 1899, M.S. 1901, Mississippi Agr. and Mech. College; Ph.D. 1906, Columbia; Sc.D. 1920, Cincinnati; M.D. 1922, Wurzburg.

WILLIAM J. ELSEY, M.D., Professor of Applied Pathology and Bacteriology.

Director, Central Laboratories, New York Hospital.

M.D. 1895, Bellevue Hospital Medical College.

STANLEY R. BENEDICT, Ph.D., Professor of Biochemistry.

Director, Department of Chemistry, Memorial Hospital.

A.B. 1906, Cincinnati; Ph.D. 1908, Yale.

- EUGENE F. DuBois, M.D., Professor of Medicine.
Physician-in-Chief, New York Hospital.
Consulting Physician, Bellevue Hospital.
A.B. 1903, Harvard; M.D. 1906, Columbia.
- JOHN C. TORREY, Ph.D., Professor of Epidemiology.
A.B. 1898, Sc.D. 1922, Vermont; Ph.D. 1902, Columbia.
- HENRICUS J. STANDER, M.D., Professor of Obstetrics and Gynecology.
Obstetrician- and Gynecologist-in-Chief, New York Hospital.
Chief Obstetrician, Berwind Maternity Clinic.
M.S. 1916, Arizona; M.D. 1921, Yale.
- GEORGE J. HEUER, M.D., Professor of Surgery.
Surgeon-in-Chief, New York Hospital.
B.S. 1903, Wisconsin; M.D. 1907, Johns Hopkins.
- EUGENE L. OPIE, M.D., Professor of Pathology.
Pathologist, New York Hospital.
A.B. 1893, M.D. 1897, Johns Hopkins; Sc.D. 1931, Yale.
- JAMES M. NEILL, Ph.D., Professor of Bacteriology and Immunology.
B.S. 1917, Allegheny; Ph.D. 1921, Massachusetts Agricultural College.
- SAMUEL Z. LEVINE, M.D., Acting Professor of Pediatrics.
Acting Pediatrician-in-Chief, New York Hospital.
A.B. 1916, College of the City of New York; M.D. 1920, Cornell.
- LEWIS A. CONNER, M.D., Professor of Clinical Medicine.
Consulting Physician, New York, Bellevue, and Memorial Hospitals.
Ph.B. 1887, Yale; M.D. 1890, Columbia.
- JOHN A. HARTWELL, M.D., Professor of Clinical Surgery.
Consulting Surgeon, New York, Bellevue, and Memorial Hospitals.
Ph.B. 1889, M.D. 1892, Yale.
- EDWARD L. KEYES, M.D., Professor of Clinical Surgery (Urology).
Attending Surgeon, Urology, New York Hospital; Consulting Urologist, Bellevue and Memorial Hospitals.
A.B. 1892, Ph.D. 1901, Georgetown; M.D. 1895, Columbia.
- OSCAR M. SCHLOSS, M.D., Professor of Clinical Pediatrics.
Attending Pediatrician, New York Hospital.
B.S. 1901, Alabama Polytechnic Institute; M.D. 1905, Johns Hopkins.
- WALTER L. NILES, M.D., Professor of Clinical Medicine.
Attending Physician, New York Hospital; Consulting Physician, Bellevue and Memorial Hospitals.
M.D. 1902, Cornell.
- HANS J. SCHWARTZ, M.D., Professor of Clinical Medicine (Dermatology).
Attending Physician, Dermatology, New York Hospital; Consulting Physician, Memorial Hospital.
M.D. 1898, McGill.

- HARRY M. IMBODEN, M.D., Professor of Clinical Radiology.
Consulting Radiologist, New York and Memorial Hospitals.
A.B. 1899, Lebanon Valley; M.D. 1903, Jefferson.
- MALCOLM GOODRIDGE, M.D., Professor of Clinical Medicine.
Attending Physician, New York Hospital; Consulting Physician,
Bellevue Hospital.
A.B. 1894, Princeton; M.D. 1898, Columbia.
- POL N. CORYLLOS, M.D., Professor of Clinical Surgery.
A.B., M.D. 1901, Athens; B.S., M.S., M.D. 1914, Paris.
- FOSTER KENNEDY, M.D., Professor of Clinical Neurology.
Attending Physician, New York Hospital; Visiting Physician,
and Director of Neurological Service, Bellevue Hospital; Con-
sulting Neurologist, Memorial Hospital.
M.B., B.Ch. 1906, Royal University, Ireland; M.D. 1910, Dublin.
- JOSHUA E. SWEET, M.D., Professor of Experimental Surgery.
A.B. 1897, A.M. 1900, Sc.D. 1922, Hamilton; M.D. 1901, Giessen.
- JOHN W. CHURCHMAN, M.D., Professor of Experimental Therapeutics.*
A.B. 1898, A.M. 1901, Princeton; M.D. 1902, Johns Hopkins; A.M. 1915, Yale.
- BERNARD SAMUELS, M.D., Professor of Clinical Surgery (Ophthalmol-
ogy).
Attending Surgeon, Ophthalmology, New York Hospital.
M.D. 1907, Jefferson.
- CHARLES E. FARR, M.D., Professor of Clinical Surgery.
Attending Surgeon, New York Hospital.
A.B. 1898, M.D. 1903, Yale.
- MORTIMER W. RAYNOR, M.D., Professor of Clinical Psychiatry.
Consulting Psychiatrist, New York Hospital.
M.D. 1904, Syracuse.
- EUGENE H. POOL, M.D., Professor of Clinical Surgery.
Senior Attending Surgeon, New York Hospital.
A.B. 1895, Harvard; M.D. 1899, Columbia.
- HENRY H. M. LYLE, M.D., Professor of Clinical Surgery.
Attending Surgeon, St. Luke's Hospital.
M.D. 1900, Columbia.
- WILLIAM R. WILLIAMS, M.D., Professor of Clinical Medicine.
Consulting Physician, New York Hospital.
Associate Visiting Physician, Bellevue Hospital.
A.B. 1889, A.M. 1892, Williams; M.D. 1895, Columbia.
- JOSEPH C. ROPER, M.D., Professor of Clinical Medicine.
Attending Physician, New York Hospital.
Associate Visiting Physician, Bellevue Hospital.
M.D. 1897, New York University Medical College; M.D. 1899, Cornell.

*Absent on leave, 1935-36.

NATHAN CHANDLER FOOT, M.D., Professor of Surgical Pathology.
Surgical Pathologist, New York Hospital.

A.B. 1903, Harvard; M.D. 1907, Columbia.

GEORGE H. KIRBY, M.D., Professor of Clinical Psychiatry.
Attending Psychiatrist, New York Hospital.

B.S. 1896, University of North Carolina; M.D. 1899, Long Island College Hospital.

RUSSELL L. CECIL, M.D., Professor of Clinical Medicine.
Associate Attending Physician, New York Hospital.

A.B. 1902, Princeton; M.D. 1906, Medical College of Virginia.

PHYLLIS GREENACRE, M.D., Professor of Clinical Psychiatry.
Attending Psychiatrist, New York Hospital.

B.S. 1913, University of Chicago; M.D. 1916, Rush.

ASSOCIATE PROFESSORS

WILLIAM C. THRO, M.D., Associate Professor of Medicine (Clinical Pathology).

Clinical Pathologist, in charge of clinical clerks, New York Hospital.

B.S. 1900, A.M. 1901, M.D. 1907, Cornell.

DAYTON J. EDWARDS, Ph.D., Associate Professor of Physiology.

B.S. 1906, Maine; Ph.D. 1913, Columbia.

CHARLES V. MORRILL, Ph.D., Associate Professor of Anatomy.

A.M. 1906, Ph.D. 1910, Columbia.

ALEXANDER R. STEVENS, M.D., Associate Professor of Clinical Surgery (Urology).

Associate Attending Surgeon, Urology, New York Hospital;
Visiting Surgeon and Director of Urological Service, Bellevue Hospital.

A.B. 1896, M.D. 1903, Johns Hopkins.

JOHN R. CARTY, M.D., Associate Professor of Radiology.

Radiologist, New York Hospital.

B.S. 1917, Princeton; M.D. 1921, Cornell.

HERBERT F. TRAUT, M.D., Associate Professor of Obstetrics and Gynecology.

Attending Obstetrician and Gynecologist, New York Hospital.

B.S. 1917, Whitman; M.D. 1923, Johns Hopkins.

WILLIAM DEWITT ANDRUS, M.D., Associate Professor of Surgery.

Attending Surgeon, New York Hospital.

A.B. 1916, A.M. 1917, Oberlin; M.D. 1921, Johns Hopkins.

HENRY B. RICHARDSON, M.D., Associate Professor of Medicine.

Attending Physician, New York Hospital; Visiting Physician, Bellevue Hospital.

A.B. 1910, M.D. 1914, Harvard.

HAROLD JULIAN STEWART, M.D., Associate Professor of Medicine.
Attending Physician, New York Hospital.

A.B. 1915, M.D. 1919, A.M. 1923, Johns Hopkins.

GEORGE W. HENRY, M.D., Associate Professor of Psychiatry.
Attending Psychiatrist, New York Hospital.

A.B. 1912, Wesleyan; M.D. 1916, Johns Hopkins.

HARRY M. TIEBOUT, M.D., Associate Professor of Clinical Psychiatry.

B.S. 1917, Wesleyan; M.D. 1921, Johns Hopkins.

JAMES A. HARRAR, M.D., Associate Professor of Clinical Obstetrics and
Gynecology.

Attending Obstetrician and Gynecologist, New York Hospital.

M.D. 1901, University of Pennsylvania.

LYNNE A. HOAG, M.D., Associate Professor of Pediatrics.*

B.S. 1913, M.S. 1917, M.D. 1918, Michigan.

MORTON C. KAHN, Ph.D., Associate Professor of Public Health and
Preventive Medicine.

B.S. 1916, Ph.D. 1924, Cornell; A.M. 1917, Columbia.

HENRY JAMES SPENCER, M.D., Associate Professor of Clinical Medicine.
Associate Attending Physician, New York Hospital; Visiting
Physician and Director, Second Medical Division, Bellevue
Hospital.

A.B. 1907, Syracuse; A.M. 1908, Williams; A.D. 1913, Columbia.

ASSISTANT PROFESSORS

JOHN C. A. GERSTER, M.D., Assistant Professor of Clinical Surgery.

A.B. 1902, M.D. 1905, Columbia.

ARTHUR L. HOLLAND, M.D., Assistant Professor of Clinical Medicine.
Associate Attending Physician, New York Hospital; Consulting
Physician, Memorial Hospital.

M.D. 1897, New York University.

ROBERT A. COOKE, M.D., Assistant Professor of Clinical Medicine.
Assistant Attending Physician, New York Hospital.

A.B. 1900, A.M. 1904, Rutgers; M.D. 1904, Columbia.

RALPH G. STILLMAN, M.D., Assistant Professor of Clinical Pathology.
Clinical Pathologist, New York Hospital.

A.B. 1903, Yale; M.D. 1907, Columbia.

CARY EGGLESTON, M.D., Assistant Professor of Clinical Medicine.
Associate Attending Physician, New York Hospital; Visiting
Physician, Bellevue Hospital.

M.D. 1907, Cornell.

**Absent on leave, 1935-36.*

- LOUIS C. SCHROEDER, M.D., Assistant Professor of Clinical Pediatrics.
Attending Pediatrician, New York Hospital.
M.D. 1911, Columbia.
- GUILFORD S. DUDLEY, M.D., Assistant Professor of Clinical Surgery.
Associate Attending Surgeon, New York Hospital; Visiting Surgeon and Director, Second Surgical Division, Bellevue Hospital.
A.B. 1910, M.D. 1913, Cornell.
- GEORGE W. WHEELER, M.D., Assistant Professor of Applied Bacteriology.
Clinical Bacteriologist, New York Hospital.
M.D. 1907, Cornell.
- GEORGE PAPANICOLAOU, M.D., Assistant Professor of Anatomy.
M.D. 1904, Athens; Ph.D. 1910, Munich.
- HAROLD E. B. PARDEE, M.D., Assistant Professor of Clinical Medicine.
Associate Attending Physician, New York Hospital.
A.B. 1906, M.D. 1909, Columbia.
- WALTER C. KLOTZ, M.D., Assistant Professor of Public Health and Preventive Medicine.
Director, Out-Patient Department, New York Hospital.
M.D. 1898, Columbia.
- ARTHUR PALMER, M.D., Assistant Professor of Clinical Surgery, and Acting Head, Department of Otolaryngology.
Associate Attending Surgeon, Otolaryngology, New York Hospital.
A.B. 1911, Brown; M.D. 1915, Cornell.
- MORRIS K. SMITH, M.D., Assistant Professor of Clinical Surgery.
Attending Surgeon, St. Luke's Hospital.
A.B. 1907, A.M. 1911, M.D. 1911, Dartmouth.
- HERVEY C. WILLIAMSON, M. D., Assistant Professor of Clinical Obstetrics and Gynecology.
Attending Obstetrician and Gynecologist, New York Hospital.
M.D. 1908, New York University.
- McKEEN CATTELL, M.D., Assistant Professor of Physiology.
B.S. 1914, Columbia; A.M. 1917, Ph.D. 1920, M.D. 1924, Harvard.
- JOSÉ F. NONIDEZ, Sc.D., Assistant Professor of Anatomy.
M.S. 1913, Sc.D. 1914, Madrid.
- J. FRANK FRASER, M.D., Assistant Professor of Clinical Medicine (Dermatology).
Associate Attending Physician, Dermatology, New York Hospital.
M.D.C.M. 1888, Dalhousie; M.D. 1892, Bellevue.
- WILLIAM H. CHAMBERS, Ph.D., Assistant Professor of Physiology.
B.S. 1915, M.S. 1917, Illinois; Ph.D. 1920, Washington University.

HARRY GOLD, M.D., Assistant Professor of Pharmacology.

A.B. 1919, M.D. 1922, Cornell.

CONNIE M. GUION, M.D., Assistant Professor of Clinical Medicine.
Assistant Attending Physician, New York Hospital.

A.B. 1906, Wellesley; A.M. 1913, M.D. 1917, Cornell.

HOWARD S. JECK, M.D., Assistant Professor of Clinical Surgery
(Urology).

Assistant Attending Surgeon, Urology, New York Hospital;
Associate Visiting Surgeon, Department of Urology, Bellevue
Hospital.

Ph.B. 1904, Yale; M.D. 1909, Vanderbilt.

PHILIP B. ARMSTRONG, M.D., Assistant Professor of Anatomy.

B.S. 1921, Massachusetts Agricultural College; M.D. 1926, Cornell.

RUSSEL H. PATTERSON, M.D., Assistant Professor of Clinical Surgery.
Assistant Attending Surgeon, New York Hospital; Visiting Sur-
geon, Bellevue Hospital.

A.B. 1914, Georgia; M.D. 1918, Harvard.

GERVAIS W. McAULIFFE, M.D., Assistant Professor of Clinical Surgery
(Otolaryngology).

Assistant Attending Surgeon, Otolaryngology, New York Hos-
pital.

M.D. 1920, Long Island College Hospital.

WILLIAM S. LADD, M.D., Associate Dean; Assistant Professor of
Clinical Medicine.

Assistant Attending Physician, New York Hospital.

B.S. 1910, Amherst; M.D. 1915, Columbia.

HAROLD G. WOLFF, M.D., Assistant Professor of Medicine.

Associate Attending Physician, New York Hospital.

B.S. 1918, College of the City of New York; M.D. 1923, M.A. 1928, Harvard.

PAUL REZNIKOFF, M.D., Assistant Professor of Medicine.

Associate Attending Physician, New York Hospital; Associate
Visiting Physician, Bellevue Hospital.

B.S. 1916, New York University; M.D. 1920, Cornell.

LEWIS D. STEVENSON, M.D., Assistant Professor of Clinical Neurology
and of Neuropathology.

Assistant Attending Physician, New York Hospital.

Associate Visiting Physician, Bellevue Hospital.

A.B. 1916, M.D. 1916, Queen's University.

R. GORDON DOUGLAS, M.D., Assistant Professor of Obstetrics and
Gynecology.

Associate Attending Obstetrician and Gynecologist, New York
Hospital.

M.D.C.M. 1924, McGill.

- EDWARD CUSSLER, M.D., Assistant Professor of Clinical Medicine.
Associate Attending Physician, New York Hospital.
M.D. 1904, Columbia.
- SEWARD ERDMAN, M.D., Assistant Professor of Clinical Surgery.
Attending Surgeon, New York Hospital.
A.B. 1897, Princeton; M.D. 1902, Columbia.
- C. FREDERIC JELLINGHAUS, M.D., Assistant Professor of Clinical Obstetrics and Gynecology.
Attending Obstetrician and Gynecologist, New York Hospital.
A.B. 1897, College of the City of New York; M.D. 1901, Columbia.
- JOHN A. VIETOR, M.D., Assistant Professor of Clinical Surgery.
Associate Attending Surgeon, New York Hospital.
A.B. 1907, Yale; M.D. 1911, Columbia.
- BRUCE WEBSTER, M.D., Assistant Professor of Medicine.
Assistant Attending Physician, New York Hospital.
M.D.C.M. 1925, McGill.
- SYDNEY WEINTRAUB, M.D., Assistant Professor of Clinical Radiology.
Assistant Radiologist, New York Hospital.
M.D. 1918, Columbia.
- MAY G. WILSON, M.D., Assistant Professor of Clinical Pediatrics.
Associate Attending Pediatrician, New York Hospital.
A.B. 1907, Hunter; M.D. 1911, Cornell.
- LUCIUS A. WING, M.D., Assistant Professor of Clinical Obstetrics and Gynecology.
Associate Attending Obstetrician and Gynecologist, New York Hospital.
A.B. 1903, Ohio State; M.D. 1907, Cornell.
- CARL A. BINGER, M.D., Assistant Professor of Clinical Medicine (Psychiatry).
Assistant Attending Physician, New York Hospital.
A.B. 1910, M.D. 1914, Harvard.
- RICHARD W. JACKSON, Ph.D., Assistant Professor of Biochemistry.
B.S. 1922, Eureka College; M.S. 1923, Ph.D. 1925, Illinois.
- ROBERT A. MOORE, M.D., Assistant Professor of Pathology.
A.B. 1921, M.S. 1927, M.D. 1928, Ohio State; Ph.D. 1930, Western Reserve.
- JULES FREUND, M.D., Assistant Professor of Pathology.
M.D. 1913, University Medical School, Budapest.
- JACOB FURTH, M.D., Assistant Professor of Pathology.
M.D. 1921, German University, Prague.
- EPHRAIM SHORR, M.D., Assistant Professor of Medicine.
Assistant Attending Physician, New York Hospital.
A.B. 1919, M.D. 1922, Yale.

- JOHN F. McGRATH, M.D., Assistant Professor of Clinical Obstetrics and Gynecology.
Associate Attending Obstetrician and Gynecologist, New York Hospital.
M.D. 1908, Cornell.
- JESSE F. SAMMIS, M.D., Assistant Professor of Clinical Pediatrics.
Associate Attending Pediatrician, New York Hospital.
A.B. 1902, Princeton; M.D. 1906, Columbia.
- PHILIP M. STIMSON, M.D., Assistant Professor of Clinical Pediatrics.
Associate Attending Pediatrician, New York Hospital; Attending Physician, Willard Parker Hospital.
A.B. 1910, Yale; M.D. 1914, Cornell.
- SMILEY BLANTON, M.D., Assistant Professor of Clinical Psychiatry.
B.S. 1904, Vanderbilt; M.D. 1914, Cornell.
- RALPH F. BOWERS, M.D., Assistant Professor of Surgery.
Assistant Attending Surgeon, New York Hospital.
A.B. 1921, M.D. 1925, Johns Hopkins.
- RICHARD MEAGHER, M.D., Assistant Professor of Surgery.
Assistant Attending Surgeon (Neuro-Surgery), New York Hospital.
Ph.B. 1921, Yale; M.D. 1927, Cornell.
- FRANK E. ADAIR, M.D., Assistant Professor of Clinical Surgery.
Attending Surgeon, Memorial Hospital.
A.B. 1910, Sc.D. 1934, Marietta College; M.D. 1915, Johns Hopkins.
- IRVIN BALENSWEIG, M.D., Assistant Professor of Clinical Surgery (Orthopedics).
Assistant Attending Surgeon, New York Hospital.
B.S., 1915, College of the City of New York; M.D. 1918, Cornell.
- MILTON L. BERLINER, M.D., Assistant Professor of Clinical Surgery (Ophthalmology).
Associate Attending Surgeon, New York Hospital.
M.D. 1918, Long Island College Hospital.
- LLOYD F. CRAVER, M.D., Assistant Professor of Clinical Medicine.
Attending Physician, Memorial Hospital.
A.B. 1915, M.D. 1918, Cornell.
- LOUIS F. HAUSMAN, M.D., Assistant Professor of Clinical Neurology and Associate in Neuro-Anatomy.
Associate Visiting Physician, Bellevue Hospital.
A.B. 1912, College of the City of New York; M.D. 1916, Cornell.
- EDGAR MAYER, M.D., Assistant Professor of Clinical Medicine.
Assistant Visiting Physician, Bellevue Hospital; Assistant Attending Physician, New York Hospital.
A.B. 1909, College of the City of New York; M.D. 1913, Columbia.

- RUSSELL S. FERGUSON, M.D., Assistant Professor of Clinical Surgery (Urology).
Associate Attending Surgeon, Urology, New York Hospital.
Assistant Surgeon, Memorial Hospital.
A.B. 1915, Maine; M.D. 1920, Cornell.
- GEORGE T. PACK, M.D., Assistant Professor of Clinical Surgery.
Associate Attending Surgeon, Memorial Hospital.
B.S. 1920, Ohio State; M.D. 1922, Yale.
- HENRY BEEUWKES, M.D., Assistant Professor of Medicine.
Assistant Attending Physician, New York Hospital.
A.B. 1902, M.D. 1906, Johns Hopkins.
- BYRON H. GOFF, M.D., Assistant Professor of Clinical Obstetrics and Gynecology.
Associate Attending Obstetrician and Gynecologist, New York Hospital.
B.S. 1908, M.D. 1911, Pennsylvania.
- JOHN Y. SUGG, Ph.D., Assistant Professor of Bacteriology and Immunology.
B.S. 1926, Ph.D. 1931, Vanderbilt.
- JEREMIAH S. FERGUSON, M.D., Secretary of the Faculty.

THE TEACHING STAFF

LECTURERS

- HARRY A. BRAY, M.D., L.R.C.P. (Edin.), Lecturer in Tuberculosis.
MATTHEW WALZER, A.B., M.D., Lecturer in Allergy.

ASSOCIATES

- ARTHUR F. ANDERSON, M.D., Associate in Clinical Pediatrics.
NATHAN F. BLAU, D.V.M., Ph.D., Research Associate in Biochemistry.
ROBERT O. DuBOIS, A.B., M.D., Associate in Clinical Pediatrics.
THOMAS T. MACKIE, A.B., M.D., Research Associate in Public Health and Preventive Medicine.
RAY H. RULISON, M.D., Associate in Clinical Medicine (Dermatology).
MILTON J. E. SENN, B.S., M.D., Associate in Pediatrics.
CARL H. SMITH, A.B., M.D., Associate in Clinical Pediatrics.
FRED W. STEWART, Ph.D., M.D., Associate in Pathology.
FIELDING L. TAYLOR, A.M., M.D., Associate in Clinical Medicine (Dermatology).
EMILIA M. VICARI, A.M., Research Associate in Anatomy.
OSCAR D. ANDERSON, Ph.D., Associate in Anatomy.

INSTRUCTORS AND ASSISTANTS

- HAROLD B. ADAMS, M.D., Instructor in Clinical Pediatrics.
WILLIAM B. ALLAN, M.D., Assistant in Clinical Surgery (Otolaryngology).

- EDWARD B. ALLEN, M.D., Instructor in Clinical Psychiatry.
ROSS E. ANDERSON, M.D., Assistant in Obstetrics and Gynecology.
ROSE ANDRÉ, A.B., M.D., Assistant in Clinical Surgery.
D. MURRAY ANGEVINE, A.B., M.D., Instructor in Pathology.
ABRAHAM A. ANTOVILLE, A.B., M.D., Instructor in Clinical Medicine.
JACOB APPLEBAUM, M.D., Instructor in Clinical Surgery (Otolaryngology).
WILLIAM M. ARCHER, M.D., Instructor in Clinical Medicine (Dermatology).
BENJAMIN I. ASHE, B.S., M.D., Instructor in Clinical Medicine.
WILLIAM H. AYRES, M.D., Assistant in Clinical Surgery (Otolaryngology).
CHARLES J. BAKER, A.B., M.D., Assistant in Pediatrics.
HORACE S. BALDWIN, B.S., M.D., Instructor in Clinical Medicine.
BENJAMIN S. BARRINGER, B.S., M.D., Instructor in Clinical Surgery (Urology).
LEONA BAUMGARTNER, A.B., M.D., Assistant in Pediatrics.
JAMES R. BEARD, Jr., B.S., M.D., Instructor in Clinical Medicine.
JEANETTE ALLEN BEHRE, A.B., Ph.D., Instructor in Biochemistry.
ANNE S. BELCHER, A.B., M.D., Assistant in Clinical Surgery (Otolaryngology).
AARON BELL, A.B., M.D., Instructor in Clinical Neurology.
ZACHARIAS BERCOVITZ, Ph.D., M.D., Instructor in Clinical Medicine.
HERBERT BERGAMINI, Litt.B., M.D., Instructor in Clinical Surgery.
JAMES M. BETHEA, A.B., M.D., Instructor in Clinical Medicine.
GEORGE E. BINKLEY, A.B., M.D., Instructor in Clinical Medicine.
COURTNEY C. BISHOP, A.B., M.D., Assistant in Surgery.
MARIO D. F. BLASUCCI, M.D., Instructor in Clinical Surgery (Urology).
M. BERNARD BRAHDY, B.S., M.D., Instructor in Clinical Pediatrics.
VERONICA C. BROWN, A.M., M.D., Assistant in Medicine.
JACOB BUCKSTEIN, A.B., M.D., Instructor in Clinical Radiology and in Clinical Medicine.
EDWARD A. BURKHARDT, A.M., M.D., Instructor in Clinical Medicine.
ROBERT BURLINGHAM, M.D., Assistant in Pathology.
CHARLES G. CHILD, III, A.B., M.D., Assistant in Surgery.
CLEMENT B. P. COBB, M.D., Instructor in Clinical Pediatrics.
OGDEN F. CONKEY, M.D., Instructor in Clinical Obstetrics and Gynecology.
J. HERBERT CONWAY, A.M., M.D., Tompkins Fellow and Instructor in Surgery.
HENRY S. F. COOPER, A.B., M.D., Instructor in Clinical Surgery.
MARY COOPER, A.B., Assistant in Surgery.
WILLIAM A. COOPER, A.B., M.D., Assistant in Surgery.
NELSON W. CORNELL, A.B., M.D., Instructor in Clinical Surgery.
LAILA COSTON-CONNER, A.M., M.D., Instructor in Clinical Medicine.
ROBERT L. CRAIG, B.S., M.D., Assistant in Clinical Obstetrics and Gynecology.
NORMAN F. CRANE, A.B., M.D., Assistant in Medicine.

- JOHN S. DAVIS, M.D., Assistant in Clinical Surgery.
JAMES R. DAWSON, Jr., A.B., M.D., Instructor in Bacteriology and Immunology.
ARCHIE L. DEAN, M.D., Instructor in Clinical Surgery (Urology).
JOHN E. DEITRICK, A.B., M.D., Assistant in Medicine.
WILLIAM R. DELZELL, A.B., M.D., Instructor in Clinical Surgery (Urology).
PETER G. DENKER, B.S., M.D., Instructor in Clinical Neurology.
EDWARD H. DENNEN, M.D., Instructor in Clinical Obstetrics and Gynecology.
PAUL A. DINEEN, A.B., M.D., Instructor in Clinical Surgery.
EDWARD M. DODD, A.B., M.D., Instructor in Clinical Medicine.
PARKER DOOLEY, M.D., Instructor in Pediatrics.
EDWARD W. DOUGLAS, M.D., Assistant in Surgery.
CHARLES A. DRAKE, M.D., Instructor in Clinical Surgery (Ophthalmology).
JOHN W. DRAPER, A.B., M.D., Instructor in Surgery.
WADE DULEY, A.B., M.D., Instructor in Clinical Surgery.
JOHN C. DUNDEE, M.D., Instructor in Clinical Medicine.
WILLIAM H. DUNN, M.D., Instructor in Psychiatry.
HENRY S. DUNNING, A.B., M.D., Assistant in Medicine.
A. WILBUR DURYEE, B.S., M.D., Instructor in Clinical Medicine.
JOHN H. ECKEL, B.S., M.D., Assistant in Surgery.
ADRIAN A. EHLE, M.D., Assistant in Surgery.
ALFRED H. EHRENLOU, A.B., M.D., Instructor in Clinical Neurology.
B. MILDRED EVANS, M.D., Instructor in Psychiatry.
FRANK M. FALCONER, M.D., Instructor in Clinical Medicine.
EMIL A. FALK, A.B., M.D., Instructor in Clinical Medicine.
LAWRENCE FARMER-LOEB, M.D., Instructor in Clinical Medicine.
GLADYS J. FASHENA, A.M., M.D., Assistant in Pediatrics.
ROBERT K. FELTER, A.B., M.D., Assistant in Clinical Surgery.
HENRY W. FERRIS, M.D., Instructor in Pathology.
EMMETT C. FITCH, M.D., Instructor in Clinical Surgery (Otolaryngology).
JOHN E. FRANKLIN, M.D., Assistant in Pediatrics.
CONSTANCE FRIESS, A.B., M.D., Instructor in Medicine.
LYNN L. FULKERSON, A.B., M.D., Instructor in Clinical Obstetrics and Gynecology.
JOHN H. GARLOCK, A.B., M.D., Instructor in Clinical Surgery.
THOMAS J. GARRICK, A.B., M.D., Instructor in Clinical Surgery (Otolaryngology).
RALPH W. GAUSE, M.D., Assistant in Obstetrics and Gynecology.
JOHN M. GIBBONS, M.D., Instructor in Clinical Medicine.
ANDREW J. GILMOUR, Ph.B., M.D., Instructor in Clinical Medicine (Dermatology).
OSCAR GLASSMAN, M.D., Assistant in Clinical Obstetrics and Gynecology.
FRANK N. GLENN, M.D., Instructor in Surgery.

- DAVID GLUSKER, M.D., Instructor in Clinical Medicine.
HARRY GORDON, A.B., M.D., Instructor in Pediatrics.
GERTRUDE GOTTSCHALL, A.M., Assistant in Biochemistry.
ARTHUR W. GRACE, M.D., D.P.H., Instructor in Medicine.
HERBERT GRAEBNER, M.D., Assistant in Clinical Surgery (Otolaryngology).
ARTHUR V. GREELEY, B.S., M.D., Instructor in Clinical Obstetrics and Gynecology.
SIDNEY GREENBERG, M.D., Instructor in Clinical Medicine.
HARRY GRUNDFEST, M.D., Assistant in Physiology.
JAMES B. GULICK, A.B., M.D., Instructor in Obstetrics and Gynecology.
KRISTIAN G. HANSSON, A.B., M.D., Instructor in Clinical Surgery, (Orthopedics).
RALPH R. HARLOW, M.D., Assistant in Clinical Psychiatry.
HELEN HARRINGTON, A.M., M.D., Instructor in Clinical Pediatrics.
JOHN H. HARRIS, M.D., Instructor in Clinical Medicine (Dermatology).
CUYLER Y. HAUCH, M.D., Assistant in Surgery.
EDWIN T. HAUSER, A.B., M.D., Instructor in Clinical Medicine.
LOUIS A. HAUSER, M.D., Instructor in Clinical Medicine.
WILLIAM H. HAWKINS, A.B., M.D., Instructor in Clinical Obstetrics and Gynecology.
ELLA M. HEDIGER, M.D., Assistant in Clinical Surgery.
LOUIS M. HELLMAN, Ph.B., M.D., Assistant in Pathology.
MILTON HELPERN, B.S., M.D., Instructor in Clinical Medicine.
JOEL M. HILL, M.D., Instructor in Psychiatry.
CRANSTON W. HOLMAN, A.B., M.D., Instructor in Surgery.
EVELYN HOLT, A.B., M.D., Instructor in Clinical Medicine.
LESLIE A. HOMRICH, M.D., Instructor in Clinical Medicine.
ROBERT S. HOTCHKISS, M.D., Instructor in Clinical Surgery (Urology).
GUSTAVUS A. HUMPHRIES, M.D., Assistant in Surgery.
FREDERICK C. HUNT, M.D., Instructor in Clinical Pediatrics.
BETTY HUSE, A.B., M.D., Assistant in Pediatrics.
MURIEL IVIMEY, M.D., Instructor in Clinical Psychiatry.
EVELYN JAFFE, B.S., Research Assistant in Bacteriology and Immunology.
GERALD R. JAMEISON, M.D., Instructor in Clinical Psychiatry.
WILLIAM T. JAMES, Ph.D., Assistant in Anatomy.
D. REES JENSEN, M.D., Assistant in Clinical Surgery.
SCOTT JOHNSON, B.S., M.D., Instructor in Clinical Medicine.
EDMUND N. JOYNER, III, A.B., M.D., Instructor in Pediatrics.
ABRAHAM KAPLAN, M.D., Instructor in Clinical Neurology.
S. FARRAR KELLEY, M.D., Instructor in Clinical Surgery (Otolaryngology).
ELIZABETH KILPATRICK, M.D., Instructor in Clinical Psychiatry.
JOSEPH E. J. KING, M.S., M.D., Instructor in Clinical Surgery.
ESTELLE KLEIBER, B.S., M.D., Instructor in Clinical Medicine.
DOROTHY KLENKE, M.D., Instructor in Clinical Neurology.
OLGA KNOPF, M.D., Instructor in Clinical Neurology.
HEDWIG KOENIG, A.B., M.D., Instructor in Clinical Pediatrics.

- ARTHUR F. KRAETZER, M.D., Instructor in Clinical Medicine (Dermatology).
- KATHERINE KUDER, M.S., M.D., Instructor in Obstetrics and Gynecology.
- ANNE E. KÜHNER, M.D., Instructor in Clinical Surgery (Urology).
- EDMUND G. LAIRD, M.D., Assistant in Surgery.
- NORVELLE C. LAMAR, M.D., Instructor in Psychiatry.
- DOROTHEA LEMCKE, B.S., M.D., Instructor in Clinical Medicine.
- LEON I. LEVINE, B.S., M.D., Instructor in Clinical Medicine.
- MILTON I. LEVINE, M.D., Instructor in Clinical Pediatrics.
- GEORGE M. LEWIS, M.D., Instructor in Clinical Medicine (Dermatology).
- JULIA V. LICHTENSTEIN, A.B., M.D., Instructor in Clinical Medicine (Dermatology).
- ASA L. LINCOLN, A.B., M.D., Instructor in Clinical Medicine.
- ROBERT M. LINTZ, M.D., Instructor in Clinical Medicine.
- VERNON W. LIPPARD, B.S., M.D., Instructor in Pediatrics.
- JANE LOCKWOOD, M.D., Instructor in Clinical Medicine.
- ROBERT O. LOEBEL, A.B., M.D., Instructor in Clinical Medicine.
- ISABEL LONDON, M.D., Assistant in Clinical Medicine.
- MICHAEL P. LONERGAN, A.M., M.D., Instructor in Clinical Psychiatry.
- LESLIE E. LUEHRS, M.D., Instructor in Clinical Psychiatry.
- JAMES O. MACDONALD, M.D., Instructor in Clinical Surgery (Otolaryngology).
- MARTHA WILSON MACDONALD, M.D., Instructor in Clinical Psychiatry.
- ANDREW A. MARCHETTI, M.D., Instructor in Obstetrics and Gynecology.
- ELEANOR MARPLES, A.B., Research Assistant in Pediatrics.
- ALEXANDER R. MARTIN, M.D., Assistant in Psychiatry.
- KIRBY MARTIN, M.D., Instructor in Clinical Medicine.
- ANDREW F. MCBRIDE, M.D., Assistant in Surgery.
- HOWARD S. MCCANDLISH, M.D., Instructor in Clinical Obstetrics and Gynecology.
- A. PARKS MCCOMBS, B.S., M.D., Instructor in Clinical Medicine.
- WALSH McDERMOTT, M.D., Assistant in Medicine.
- FRANK J. MCGOWAN, A.B., M.D., Instructor in Clinical Surgery.
- CHARLES M. McLANE, A.B., M.D., Instructor in Obstetrics and Gynecology.
- ALLISTER M. McLELLAN, M.D., Instructor in Clinical Surgery (Urology).
- E. FORREST MERRILL, M.D., Instructor in Clinical Radiology.
- ADE T. MILHORAT, M.D., Instructor in Medicine.
- RAYMOND E. MILLER, M.D., Assistant in Medicine.
- JOHN A. P. MILLET, A.B., M.D., Fellow in Psychiatry.
- WALTER MODELL, M.D., Instructor in Pharmacology.
- ELIZABETH MONTU, Research Assistant in Public Health and Preventive Medicine.
- SAMUEL W. MOORE, B.S., M.D., Assistant in Surgery.
- CHARLOTTE MUNN, M.D., Assistant in Clinical Psychiatry.

- JOSEPH N. NATHANSON, M.D., Assistant in Clinical Obstetrics and Gynecology.
- RALPH W. NAUSS, B.S., M.D., D.P.H., Instructor in Public Health and Preventive Medicine.
- DONALD R. NELSON, M.D., Assistant in Obstetrics and Gynecology.
- ELEANOR B. NEWTON, A.M., Instructor in Biochemistry.
- EDITH E. NICHOLLS, M.A., D.Sc., M.D., Instructor in Medicine.
- WILLIAM F. NICKEL, M.D., Assistant in Surgery.
- HENRY D. NILES, A.B., M.D., Instructor in Clinical Medicine (Dermatology).
- CLINTON P. O'CONNELL, M.D., Assistant in Surgery.
- JOHN B. OGILVIE, M.D., Assistant in Surgery
- CHARLES T. OLCOTT, A.B., M.D., Instructor in Pathology.
- THEODORE W. OPPEL, M.D., Instructor in Medicine.
- CHARLES H. O'REGAN, A.B., M.D., Instructor in Clinical Pediatrics.
- JOHN A. O'REGAN, M.D., Assistant in Clinical Obstetrics and Gynecology.
- EMIL OSTERBERG, Instructor in Biochemistry.
- DOUGLASS PALMER, A.B., M.D., Instructor in Clinical Medicine.
- NORMAN PAPAE, A.B., M.D., Instructor in Clinical Medicine.
- JOHN B. PASTORE, A.B., M.D., Instructor in Obstetrics and Gynecology.
- FRANK H. PETERS, M.D., Instructor in Clinical Medicine.
- JOHN C. PETERSON, A.B., M.D., Assistant in Bacteriology and Immunology.
- CARROLL A. PFEIFFER, A.B., M.D., Fellow in Medicine.
- ARTHUR M. PHILLIPS, M.D., Instructor in Clinical Psychiatry.
- ANNA PLATT, A.B., M.D., Instructor in Clinical Medicine.
- NORMAN PLUMMER, A.B., M.D., Instructor in Clinical Medicine.
- CHARLES L. PLUNKETT, M.D., Instructor in Clinical Surgery (Orthopedics).
- HERBERT POLLACK, M.D., Instructor in Clinical Medicine.
- EDGAR M. POPE, M.D., Instructor in Clinical Surgery (Otolaryngology).
- ALBERT G. RAPP, B.S., M.D., Assistant in Clinical Surgery (Otolaryngology).
- BRONSON S. RAY, M.D., Instructor in Surgery.
- ADA C. REID, A.B., M.D., Instructor in Clinical Medicine.
- JOHN H. RICHARDS, M.D., Instructor in Clinical Medicine.
- HERBERT S. RIPLEY, M.D., Assistant in Psychiatry.
- FLOYD S. ROGERS, M.D., Assistant in Obstetrics and Gynecology.
- MEYER ROSENSOHN, B.S., M.D., Instructor in Clinical Obstetrics and Gynecology.
- CHARLES D. RYAN, A.B., M.D., Instructor in Psychiatry.
- NELSON B. SACKETT, B.S., M.D., Assistant in Clinical Obstetrics and Gynecology.
- EDWARD W. SAUNDERS, M.D., Instructor in Clinical Surgery and Given Fellow in Surgical Research.
- THERESA SCANLAN, A.B., M.D., Instructor in Clinical Medicine.

- JOHN E. SCARFF, M.D., Instructor in Clinical Neurology.
BURTRUM C. SCHIELE, M.D., Instructor in Psychiatry.
WILLIAM SCHMIDT, M.D., Instructor in Pediatrics.
IRVING SCHWARTZ, B.S., M.D., Instructor in Clinical Radiology.
JACOB T. SHERMAN, M.D., Assistant in Clinical Obstetrics and Gynecology.
MABEL G. SILVERBERG, M.D., Instructor in Clinical Medicine (Dermatology).
FRANK R. SMITH, A.B., M.D., Assistant in Clinical Obstetrics and Gynecology.
WILSON F. SMITH, A.B., M.D., Assistant in Medicine.
CHARLES T. SNYDER, M.D., Assistant in Clinical Obstetrics and Gynecology.
AARON D. SPIELMAN, A.B., M.D., Instructor in Clinical Medicine.
BENJAMIN McL. SPOCK, M.D., Assistant in Pediatrics.
WALTER R. SPOFFORD, B.S., Assistant in Anatomy.
GEORGE S. SPRAGUE, M.D., Instructor in Clinical Psychiatry.
WENDELL J. STAINSBY, A.B., M.D., Instructor in Medicine.
BRANDT F. STEELE, A.B., M.D., Instructor in Medicine.
KYLE B. STEELE, M.D., Instructor in Clinical Obstetrics and Gynecology.
GUSTAV I. STEFFEN, Ph.D., Instructor in Applied Bacteriology.
RUFUS E. STETSON, M.D., Instructor in Clinical Surgery.
JOHN W. STICKNEY, B.S., M.D., Instructor in Clinical Medicine.
WILLIAM D. STUBENBORD, M.D., Instructor in Clinical Medicine.
WILLIAM H. SUMMERSON, B. Chem., Instructor in Biochemistry.
JOHN E. SUTTON, Jr., B.S., M.D., Instructor in Clinical Surgery.
HANS SYZ, M.D., Instructor in Clinical Psychiatry.
GURNEY TAYLOR, M.D., Instructor in Clinical Medicine.
CLOYCE R. TEW, M.D., Assistant in Obstetrics and Gynecology.
RUTH THOMAS, A.B., C.P.H., Instructor in Applied Bacteriology.
EDWARD TOLSTOI, A.B., M.D., Instructor in Clinical Medicine.
JANET TRAVELL, A.B., M.D., Instructor in Pharmacology.
MARIAN TYNDALL, A.B., M.D., Instructor in Clinical Medicine.
T. DURLAND VAN ORDEN, B.S., M.D., Instructor in Clinical Pediatrics.
FERNAND VISTREICH, M.D., Assistant in Clinical Surgery (Otolaryngology).
PRESTON A. WADE, A.B., M.D., Instructor in Clinical Surgery.
THOMAS E. WALDIE, A.B., M.D., Instructor in Clinical Pediatrics.
JAMES H. WALL, M.D., Instructor in Clinical Psychiatry.
BETTINA WARBURG, M.D., Assistant in Clinical Psychiatry.
WENDELL J. WASHBURN, M.D., Instructor in Clinical Surgery (Urology).
ELIZABETH WATSON, A.M., Instructor in Applied Bacteriology.
W. MORRIS WEEDEN, A.B., M.D., Instructor in Clinical Surgery.
CARL E. WEIGELE, M.D., Instructor in Clinical Pediatrics.
JACOB WERNE, M.D., Assistant in Pathology.
FLORENCE WEST, A.B., Assistant in Surgery.

MARJORIE A. WHEATLEY, A.B., M.D., Instructor in Pediatrics.

STEPHEN WHITE, A.B., M.D., Instructor in Clinical Medicine and Clinical Radiology.

BYARD WILLIAMS, M.D., Instructor in Clinical Medicine.

ALEXANDER H. WILLIAMSON, B.S., M.D., Instructor in Clinical Medicine.

WILFRED D. WINGEBACH, M.D., Instructor in Clinical Neurology.

ROBERT A. WISE, A.B., M.D., Instructor in Clinical Surgery.

DAN H. WITT, M.D., Instructor in Clinical Medicine.

S. BERNARD WORTIS, A.B., M.D., Instructor in Clinical Neurology.

IRVING S. WRIGHT, A.B., M.D., Instructor in Clinical Medicine.

FRANK C. YEOMANS, M.D., Instructor in Clinical Surgery.

CHESTER L. YNTEMA, Ph.D., Instructor in Anatomy.

GEORGE J. YOUNG, A.B., M.D., Instructor in Clinical Medicine.

MORRIS ZUCKER, M.D., Instructor in Clinical Medicine.

JOSEPHINE G. NICHOLS, Ph.B., Librarian.

THE NEW YORK HOSPITAL

CONSULTING STAFF

Medicine

LEWIS A. CONNER, M.D.

SAMUEL W. LAMBERT, M.D.

WILLIAM R. WILLIAMS, M.D.

Surgery

CHARLES L. GIBSON, M.D.

JOHN A. HARTWELL, M.D.

JAMES MORLEY HITZROT, M.D.

Ophthalmology

COLMAN W. CUTLER, M.D.

CLYDE E. MCDANNALD, M.D.

FRANCIS W. SHINE, M.D.

Otolaryngology

JAMES P. ERSKINE, M.D.

HENRY H. FORBES, M.D.

MARVIN F. JONES, M.D.

JOHN D. KERNAN, M.D.

Obstetrics and Gynecology

GEORGE GRAY WARD, M.D.

Psychiatry

MORTIMER W. RAYNOR, M.D.

WILLIAM L. RUSSELL, M.D.

Pathology

JAMES EWING, M.D.

Radiology

ARCHIBALD H. BUSBY, M.D.

HARRY M. IMBODEN, M.D.

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MEDICINE

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EUGENE F. DuBois, M.D.

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MALCOLM GOODRIDGE, M.D.

HENRY B. RICHARDSON, M.D.

WALTER L. NILES, M.D.

JOSEPH C. ROPER, M.D.

HAROLD J. STEWART, M.D.

Associate Attending Physicians

RUSSELL L. CECIL, M.D.	ARTHUR L. HOLLAND, M.D.
EDWARD CUSSLER, M.D.	HAROLD E. B. PARDEE, M.D.
CARY EGGLESTON, M.D.	PAUL REZNIKOFF, M.D.
HENRY J. SPENCER, M.D.	

Assistant Attending Physicians

HORACE S. BALDWIN, M.D.	WILLIAM S. LADD, M.D.
HENRY BEEUWKES, M.D.	ASA L. LINCOLN, M.D.
HARRY A. BRAY, M.D.	EDGAR MAYER, M.D.
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LESLIE A. HOMRICH, M.D.	BRUCE WEBSTER, M.D.
DAN H. WITT, M.D.	

Physicians to Out-Patients

A. A. ANTOVILLE, M.D.	THOMAS T. MACKIE, M.D.
JAMES R. BEARD, M.D.	KIRBY MARTIN, M.D.
HAROLD S. BELCHER, M.D.	ARTHUR M. MASTER, M.D.
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FRANCIS W. DAVIS, M.D.	DOUGLASS PALMER, M.D.
JOHN C. DUNDEE, M.D.	NORMAN PAPAE, M.D.
EMIL A. FALK, M.D.	FRANK H. PETERS, M.D.
JOHN M. GIBBONS, M.D.	HERBERT POLLACK, M.D.
SIDNEY GREENBERG, M.D.	H. McLEOD RIGGINS, M.D.
MILTON HELPERN, M.D.	AARON D. SPIELMAN, M.D.
SCOTT JOHNSON, M.D.	JOHN W. STICKNEY, M.D.
MAURICE B. KAGAN, M.D.	LEONARD TARR, M.D.
MICHAEL LAKE, M.D.	GURNEY TAYLOR, M.D.
DOROTHEA LEMCKE, M.D.	EDWARD TOLSTOI, M.D.
LEON I. LEVINE, M.D.	MARIAN TYNDALL, M.D.
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ROBERT O. LOEBEL, M.D.	MORRIS ZUCKER, M.D.

Assistant Physicians to Out-Patients

LEONORA ANDERSEN, M.D.	LOUIS LANGMAN, M.D.
HARRY S. BERKOFF, M.D.	VIRGINIA LANGWORTHY, M.D.
JULIETTE BERNAT, M.D.	EDWARD LEVY, M.D.
GEORGE E. BINKLEY, M.D.	JANE LOCKWOOD, M.D.
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LAILA COSTON-CONNER, M.D.	MARSH MCCALL, M.D.

EDWARD M. DODD, M.D.	MACK McCONKEY, M.D.
FRANK FALCONER, M.D.	WILLIAM M. MACLEAN, M.D.
WINIFRED H. FRANKLIN, M.D.	WILLIAM M. MEREDITH, M.D.
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DAVID GLUSKER, M.D.	ADA C. REID, M.D.
ARMAND L. GREENHALL, M.D.	ERIC C. RICHARDSON, M.D.
RICHARD G. HAHN, M.D.	SOPHIE A. ROST, M.D.
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DERMATOLOGY

Attending Physician

HANS J. SCHWARTZ, M.D.

Associate Attending Physician

J. FRANK FRASER, M.D.

Physicians to Out-Patients

WILLIAM M. ARCHER, M.D.	GEORGE M. LEWIS, M.D.
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ARTHUR F. KRAETZER, M.D.	FIELDING L. TAYLOR, M.D.
ANIBAL ZELAYA, M.D.	

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LIONEL C. RUBIN, M.D.

NEUROLOGY

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ALEXANDER H. WILLIAMSON, M.D.

Physician to Out-Patients

LOUIS HAUSMAN, M.D.

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Resident Physician

CONSTANCE FRIESS, M.D.

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NORMAN F. CRANE, M.D.	WALSH McDERMOTT, M.D.
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WILSON F. SMITH, M.D.	

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HEINZ HAFFNER, M.D.	ROBERT MELCHIONNA, M.D.
HELOISE B. HOUGH, M.D.	CHARLES H. WHEELER, Jr., M.D.

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EUGENE H. POOL, M.D.

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FRANK C. YEOMANS, M.D. ²	

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JOHN H. GARLOCK, M.D.	W. MORRIS WEEDEN, M.D.
FRANK GLENN, M.D.	ROBERT A. WISE, M.D.

¹Transfusions.

²Proctology.

³Neuro-Surgery.

Surgeons to Out-Patients

POL N. CORYLLOS, M.D.	D. REES JENSEN, M.D.
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ROBERT T. FINDLAY, M.D.	WILLIAM G. TERWILLIGER, M.D.

OTOLARYNGOLOGY

Associate Attending Surgeon

ARTHUR PALMER, M.D.

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EDGAR M. POPE, M.D.	

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HERBERT GRAEBNER, M.D.	

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ALFRED F. HOCKER, M.D.	JOSEPH A. TAMERIN, M.D.
FERNAND VISZTREICH, M.D.	

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BERNARD SAMUELS, M.D.

Associate Attending Surgeon

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BERTRAM S. KRAMER, M.D.	EDGAR P. SHERMAN, M.D.

ORTHOPEDICS

*Attending Surgeon**Assistant Attending Surgeons*

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CHARLES L. PLUNKETT, M.D.

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MAURICE G. LANGSAM, M.D.

ANTHONY G. SABIN, M.D.

ROBERT MAZET, JR., M.D.

AMERICO A. SAVASTANO, M.D.

UROLOGY

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EDWARD L. KEYES, M.D.

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ALEXANDER R. STEVENS, M.D.

RUSSELL S. FERGUSON, M.D.

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MARIO D. F. BLASUCCI, M.D.

HOWARD S. JECK, M.D.

ARCHIE L. DEAN, JR., M.D.

ANNE E. KÜHNER, M.D.

WILLIAM R. DELZELL, M.D.

ALLISTER M. McLELLAN, M.D.

ROBERT S. HOTCHKISS, M.D.

WENDELL J. WASHBURN, M.D.

SURGICAL PATHOLOGY

Surgical Pathologist

N. CHANDLER FOOT, M.D.

DENTISTRY

Assistant Attending Dental Surgeon

JOHN COE VANDERVOORT, D.D.S.

Dentists

RALPH DEAN HARBY, D.D.S.

ALFRED W. KANY, D.D.S.

WARRINGTON G. LEWIS, D.D.S.

Assistant Dentists

RAYMOND T. ANSBRO, D.D.S.

EARLE LEHMER, D.D.S.

THOMAS A. BARRY, D.D.S.

JOHN W. LINNEMAN, D.D.S.

THOMAS I. CAREY, D.D.S.

JAMES A. McAULEY, D.D.S.

EDWARD M. CARNEY, D.D.S.

ROLAND E. MORSE, D.D.S.

SHERMAN W. CRAWFORD, D.D.S.

IRVING B. OLSEN, D.D.S.

GEORGE F. EGAN, D.D.S.

OTTO SCHWALB, D.D.S.

MILTON L. GABEL, D.D.S.

A. SHAPER, D.D.S.

EUGENE J. GUENARD, D.D.S.

GERALD E. STAFFORD, D.D.S.

FRANCIS X. JUDGE, D.D.S.

HENRY STANGER, D.D.S.

OSCAR KARP, D.D.S.

PHILIP R. UNDERWOOD, D.D.S.

HENRY C. WASMUND, D.D.S.

RESIDENT STAFF

Resident Surgeons

CRANSTON W. HOLMAN, M.D. BRONSON S. RAY, M.D.
JOHN W. DRAPER, M.D.¹

Assistant Resident Surgeons

COURTNEY C. BISHOP, M.D.	CUYLER Y. HAUCH, M.D.
CHARLES G. CHILD, 3RD, M.D.	GUSTAVUS A. HUMPHREYS, M.D. ¹
WILLIAM A. COOPER, M.D.	EDMUND G. LAIRD, M.D.
EDWARD W. DOUGLAS, M.D.	ANDREW F. MCBRIDE, M.D.
JOHN H. ECKEL, M.D.	SAMUEL W. MOORE, M.D.
ADRIAN A. EHRLER, M.D.	WILLIAM F. NICKEL, JR., M.D.
MERTON L. GRISWOLD, M.D.	JOHN B. OGILVIE, M.D.

Interns in Surgery

HAMLET I. DAVIS, M.D.	EDGAR C. PERSON, M.D.
MARK S. DONOVAN, M.D.	WILLIAM R. SANDUSKY, M.D.
LESTER C. HUESTED, M.D.	HARMON TRUAX, M.D.
EARL P. LASHER, JR., M.D.	THOMAS E. WYATT, M.D.
OWEN S. OGDEN, M.D.	FRANCIS GENIN, M.D. ²

Anaesthetist

ELLA M. HEDIGER, M.D.

Alternate Anaesthetist

ROSE ANDRÉ, M.D.

Admitting Physician

LUCY M. CRAWFORD, M.D.

Externe in Surgery

L. S. CHERNEY, M.D.

OBSTETRICS AND GYNECOLOGY

Obstetrician and Gynecologist-in-Chief

HENRICUS J. STANDER, M.D.

Attending Obstetricians and Gynecologists

JAMES A. HARRAR, M.D.	C. FREDERIC JELLINGHAUS, M.D.
HERBERT F. TRAUT, M.D.	HERVEY C. WILLIAMSON, M.D.

¹Urology.

² $\left. \begin{array}{l} \text{Otolaryngology.} \\ \text{Ophthalmology.} \end{array} \right\}$

Associate Attending Obstetricians and Gynecologists

OGDEN F. CONKEY, M.D.	KYLE B. STEELE, M.D.
R. GORDON DOUGLAS, M.D.	EDWARD H. DENNEN, M.D.
BYRON H. GOFF, M.D.	LYNN L. FULKERSON, M.D.
WILLIAM H. HAWKINS, M.D.	JOHN F. MCGRATH, M.D.
HOWARD S. MCCANDLISH, M.D.	JOSEPH N. NATHANSON, M.D.
JOHN A. O'REGAN, M.D.	MEYER ROSENZOHN, M.D.
NELSON B. SACKETT, M.D.	FRANK R. SMITH, M.D.
LUCIUS A. WING, M.D.	

Assistant Attending Obstetricians and Gynecologists

ROBERT L. CRAIG, M.D.	OSCAR GLASSMAN, M.D.
ARTHUR V. GREELEY, M.D.	KATHERINE KUDER, M.D.
CHARLES McLANE, M.D.	ANDREW A. MARCHETTI, M.D.
JACOB T. SHERMAN, M.D.	CHARLES T. SNYDER, M.D.

RESIDENT STAFF

Resident Obstetrician and Gynecologist

JAMES B. GULICK, M.D.

*Assistant Resident Obstetricians and Gynecologists**First Assistants*

ROSS E. ANDERSON, M.D.
CLOYCE R. TEW, M.D.

Second Assistants

RALPH W. GAUSE, M.D.
DONALD R. NELSON, M.D.
FLOYD S. ROGERS, M.D.

Third Assistants

LESTER BOSSERT, M.D.
DANA W. COX, M.D.

ARTHUR M. FARIS, M.D.
THOMAS D. TYSON, M.D.

Interns in Obstetrics and Gynecology

EDWARD R. ALLEN, M.D.
HARMON J. BAILEY, M.D.
DAVID S. BAYER, M.D.
WILLIAM EPSTEIN, M.D.
CARL T. JAVERT, M.D.

CHARLES S. GLISSON, M.D.
CHESTER H. LAUTERBACH, M.D.
NORMAN W. MCLEOD, M.D.
ROGER B. NELSON, M.D.
JOSEPH S. STABNICK, M.D.

PEDIATRICS

Acting Pediatrician-in-Chief

SAMUEL Z. LEVINE, M.D.

Attending Pediatricians

OSCAR M. SCHLOSS, M.D.

LOUIS C. SCHROEDER, M.D.

Associate Attending Pediatricians

ARTHUR F. ANDERSON, M.D.	MILTON J. E. SENN, M.D.
JESSE F. SAMMIS, M.D.	PHILIP M. STIMSON, M.D.
MAY G. WILSON, M.D.	

Assistant Attending Pediatricians

CLEMENT B. P. COBB, M.D.	MILTON I. LEVINE, M.D.
PARKER DOOLEY, M.D.	VERNON W. LIPPARD, M.D.
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HARRY GORDON, M.D.	CARL H. SMITH, M.D.
HELEN HARRINGTON, M.D.	T. DURLAND VAN ORDEN, M.D.
FREDERICK C. HUNT, M.D.	MARJORIE A. WHEATLEY, M.D.

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HAROLD B. ADAMS, M.D.	ALVIN R. HARNES, M.D.
MORRIS FRIEDSON, M.D.	CHARLES H. O'REGAN, M.D.

Assistant Pediatricians to Out-Patients

DAYE W. FOLLETT, M.D.	DOROTHY M. LANG, M.D.
JOHN E. GUNDY, M.D.	IRVING LEBELL, M.D.
EUGENIA INGERMAN, M.D.	ELI Y. SHORR, M.D.
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ANNA M. KULKA, M.D.	LOUIS E. WEYMULLER, M.D.

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Resident Pediatrician

EDMUND N. JOYNER, 3RD, M.D.

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CHARLES J. BAKER, M.D.	JOHN E. FRANKLIN, M.D.
LEONA BAUMGARTNER, M.D.	BETTY HUSE, M.D.
GLADYS FASHENA, M.D.	

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ALEXANDER J. ALEXANDER, M.D.	THISTLE MCKEE, M.D.
EDWARD A. HAGMANN, M.D.	DANIEL J. PACHMAN, M.D.
WILLIAM O. KOPEL, M.D.	THOMAS B. WALKER, M.D.

PSYCHIATRY

General Psychiatric Director

WILLIAM L. RUSSELL, M.D.

Psychiatrist-in-Chief

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PHYLLIS GREENACRE, M.D.
 GEORGE W. HENRY, M.D.

GERALD R. JAMEISON, M.D.
 GEORGE H. KIRBY, M.D.

Associate Attending Psychiatrists

WILLIAM H. DUNN, M.D.

NORVELLE C. LAMAR, M.D.

Assistant Attending Physician

CARL BINGER, M.D.

Attending Dental Surgeon

DAVID AUSTIN SNIFFEN, D.D.S.

Psychiatrists to Out-Patients

EDWARD B. ALLEN, M.D.
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 SMILEY BLANTON, M.D.
 LEWIS A. ELDRIDGE, JR., M.D.
 THOMAS H. HAINES, M.D.
 EMELINE P. HAYWARD, M.D.
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 MABEL HUSCHKA, M.D.
 MURIEL IVIMEY, M.D.
 ELIZABETH KILPATRICK, M.D.

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DANIEL F. BROPHY, M.D.

MILTON L. MILLER, M.D.

PATHOLOGY

Pathologist

EUGENE L. OPIE, M.D.

Associate Pathologist

ROBERT A. MOORE, M.D.

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D. MURRAY ANGEVINE, M.D.

HENRY W. FERRIS, M.D.

CHARLES T. OLCOTT, M.D.

LEWIS D. STEVENSON, M.D.

Assistant Resident Pathologist

LOUIS HELLMAN, M.D.

Interns in Pathology

JOHN W. HALL, M.D.

WESLEY A. NETTLESHIP, M.D.

RADIOLOGY

Radiologist

JOHN R. CARTY, M.D.

Assistant Radiologists

ALEXANDER ALEXION, M.D.

ELMER M. CLAIBORNE, M.D.

E. FORREST MERRILL, M.D.

IRVING SCHWARTZ, M.D.

SYDNEY WEINTRAUB, M.D.

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Clinical Bacteriologist

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GUSTAV I. STEFFEN, Ph.D.

RUTH THOMAS, C.P.H.

ELIZABETH WATSON, A.M.

Clinical Pathologist, in charge of Clinical Clerks

WILLIAM C. THRO, M.D.

BELLEVUE HOSPITAL
SECOND MEDICAL DIVISION (CORNELL)

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LOUIS HAUSMAN, M.D.¹ FRANK HART PETERS, M.D.
PAUL REZNIKOFF, M.D. JOSEPH C. ROPER, M.D.
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S. BERNARD WORTIS, M.D.¹ IRVING S. WRIGHT, M.D.

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BENJAMIN K. ASHE, M.D. MILTON HELPERN, M.D.
JAMES R. BEARD, JR., M.D. OLGA KNOPF, M.D.¹
AARON BELL, M.D.¹ LEON I. LEVINE, M.D.
ZACHARIAS BERCOVITZ, M.D. EDGAR MAYER, M.D.
JAMES M. BETHEA, M.D. MARY E. O'SULLIVAN, M.D.¹
EDWARD A. BURKHARDT, M.D. NORMAN PAPAE, M.D.
PETER DENKER, M.D.¹ HELEN S. ROGERS, M.D.¹
A. WILBER DURYEE, M.D. GURNEY TAYLOR, M.D.
ALFRED H. EHRENCLOU, M.D.¹ BYARD WILLIAMS, M.D.
ALEXANDER WOLF, M.D.¹

Clinical Assistant Visiting Physicians

ARTHUR ANTENUCCI, M.D. ALFRED A. LILIENFELD, M.D.
ABRAHAM A. ANTOVILLE, M.D. ROBERT M. LINTZ, M.D.
KEEVE BRODMAN, M.D. EDITH E. NICHOLS, M.D.
L. FARMER-LOEB, M.D. MALCOLM K. SMITH, M.D.
DAVID D. FEINBERG, M.D. WILLIAM D. STUBENBORD, M.D.
HENRY B. KIRKLAND, M.D. WILLIAM VON STEIN, M.D.
MARGARET KLUMPP, M.D. ROBERT E. WESTMORELAND, M.D.
JOSEPH KOVACS, M.D. JOSEPH YASWEN, M.D.
SEYMOUR ZUCKER, M.D.

Resident Physician

BRANDT F. STEELE, M.D.

¹Neurology.

SECOND SURGICAL DIVISION (CORNELL)

GUILFORD S. DUDLEY, M.D., *Director*
ALEXANDER R. STEVENS, M.D., *Director, Urological Service*

Consulting Surgeons

JOHN A. HARTWELL, M.D.	EDWARD L. KEYES, M.D. ²
JOHN ROGERS, M.D.	GEORGE WOOLSEY, M.D.

Visiting Surgeons

HERBERT BERGAMINI, M.D.	JOSEPH E. J. KING, M.D. ¹
GUILFORD S. DUDLEY, M.D.	RUSSEL H. PATTERSON, M.D.
ALEXANDER R. STEVENS, M.D. ²	

Associate Visiting Surgeons

HENRY S. F. COOPER, M.D.	WALTER J. MCNEILL, M.D. ²
HOWARD S. JECK, M.D. ²	JOHN E. SUTTON, JR., M.D.

Assistant Visiting Surgeons

MEREDITH F. CAMPBELL, M.D. ²	DOROTHY A. KLENKE, M.D. ¹
GEORGE A. CASHMAN, M.D. ²	ERNEST W. LAMPE, M.D.
CLYDE W. COLLINGS, M.D. ²	LAURENCE MISCALL, M.D.
WILLIAM R. DELZELL, M.D. ²	MAX S. RHODE, M.D. ²
ROBERT K. FELTER, M.D.	EDWARD W. SAUNDERS, M.D.
RALPH C. KAHLE, M.D.	JOHN E. SCARFF, M.D. ¹
ABRAHAM KAPLAN, M.D. ¹	WILFRED D. WINGEBACH, M.D. ¹

Clinical Assistant Visiting Surgeons

JOSEPH L. BOEHM, M.D. ²	MAURICE M. CHAPNICK, M.D. ²
H. A. COVELER, M.D. ²	H. J. FRIEDMAN, M.D. ²
JOSEPH GORGA, M.D. ²	HARRY HAUSMAN, M.D. ²
JACOB LANES, M.D. ²	S. SYM NEWMAN, M.D. ²
MEGIRDICH MONGOIAN, M.D. ²	A. S. SANDERS, M.D. ²
J. H. O'CONNOR, M.D. ²	CHESTER R. STONE, M.D. ²

Resident Surgeon

ALBERT NORTH STEVENSON, M.D.

Resident Urologist

GEORGE W. SLAUGHTER, M.D.

Resident Surgeon, Neurology

THOMAS Q. GARVEY

Visiting Roentgenologist

JACOB BUCKSTEIN, M.D.

¹Neurology.

²Urology.

MEMORIAL HOSPITAL

JAMES EWING, M.D., *Director*

MEDICAL BOARD

JAMES EWING, M.D.

President

FRANK E. ADAIR, M.D.

BENJAMIN S. BARRINGER, M.D.

WILLIAM P. HEALY, M.D.

STANLEY R. BENEDICT, Ph.D.

LLOYD F. CRAVER, M.D.

GIOACCHINO FAILLA, D.Sc.

RALPH E. HERENDEN, M.D.

HAYES E. MARTIN, M.D.

GEORGE F. HOLMES, *Secretary*

CONSULTING STAFF

Surgeons

CHARLES L. GIBSON, M.D.

JOHN ROGERS, M.D.

NATHAN W. GREEN, M.D.

WILLIAM A. DOWNES, M.D.

JOHN A. HARTWELL, M.D.

ALFRED S. TAYLOR, M.D.

WILLIAM B. COLEY, M.D.

Gynecologists

H. C. COE, M.D.

GEORGE W. JARMAN, M.D.

Physicians

LEWIS A. CONNER, M.D.

WALTER L. NILES, M.D.

ARTHUR L. HOLLAND, M.D.

Dermatologists

HANS J. SCHWARTZ, M.D.

CHARLES M. WILLIAMS, M.D.

Ophthalmologists

ARNOLD KNAPP, M.D.

COLEMAN W. CUTLER, M.D.

ALGERNON B. REESE, M.D.

Neurologist

FOSTER KENNEDY, M.D.

Laryngologist

D. BRYSON DELAVAN, M.D.

Urologist

EDWARD L. KEYES, M.D.

Roentgenologists

LEWIS GREGORY COLE, M.D.

HARRY M. IMBODEN, M.D.

Dental Surgeon

WILLIAM W. SHEPARD, D.D.S.

Statistician

PROFESSOR WALTER F. WILLCOX

MEDICAL STAFF

Attending Surgeons

FRANK E. ADAIR, M.D.

WILLIAM P. HEALY, M.D.²

BENJAMIN S. BARRINGER, M.D.

HAYES E. MARTIN, M.D.

Roentgenologist

RALPH E. HERENDEEN, M.D.

Assistant Roentgenologist

JAMES J. DUFFY, M.D.

Attending Physician

LLOYD F. CRAVER, M.D.

*Associate Attending Physician*GEORGE HALL HYSLOP, M.D.³*Associate Attending Surgeons*ARCHIE L. DEAN, JR., M.D.¹

BRADLEY L. COLEY, M.D.

GEORGE E. BINKLEY, M.D.

FRANK R. SMITH, M.D.

BYRON STOOKEY, M.D.³

GEORGE T. PACK, M.D.

Assistant Surgeons

SAMUEL C. JOHNSON, M.D.

HOWARD C. TAYLOR, JR., M.D.

JAMES J. DUFFY, M.D.

WILLIAM L. WATSON, M.D.

NORMAN E. TREVES, M.D.

RUSSELL S. FERGUSON, M.D.

Clinical Assistants

NORMAN L. HIGINBOTHAM, M.D.

JOHN KELLY, M.D.

WILLIAM S. MACCOMB, M.D.

HAROLD W. DARGEON, M.D.⁴*Anaesthetists*

EDWARD KING, M.D.

ANNA E. ARMSTRONG

Clinical Fellows

JOSEPH FARROW, M.D.

GRAY TWOMBLEY, M.D.

JAY McLEAN, M.D.

GORDON P. McNEER

EDGAR FRAZELL, M.D.

HILMAR MUNSTER, M.D.

THOMAS J. ANGELM, M.D.

M. E. HOWE, M.D.

¹Urology.²Gynecology.³Neurology.⁴Pediatrics.

DEPARTMENT OF LABORATORIES

JAMES EWING, M.D., *Director*

JAMES EWING, M.D.	Pathologist
FRED W. STEWART, M.D.	Associate Pathologist
STANLEY R. BENEDICT, Ph.D.	Director, Department of Chemistry
HELEN Q. WOODWARD, Ph.D.	Chemist
KANEMATSU SUGIURA, Sc.D.	Chemist
HELEN R. DOWNES, Ph.D.	Chemist
GIOACCHINO FAILLA, E.E., D.Sc.	Physicist
EDITH M. QUIMBY, M.A.	Associate Physicist
ELISE S. L'ESPERANCE, M.D.	Serologist
JOHN C. TORREY, Ph.D.	Bacteriologist
HALSEY J. BAGG, Ph.D.	Biologist
CLARENCE R. HALTER, Ph.D.	Assistant Biologist
PAUL S. HENSHAW, Ph.D.	Biophysicist
DOROTHY FRANCIS, Ph.D.	Assistant Biophysicist
WILLIAM S. DUNN	Photographer

GENERAL STATEMENT

HISTORY

CORNELL UNIVERSITY MEDICAL COLLEGE was established by the Board of Trustees of Cornell University on April 14, 1898, when they elected Dr. William M. Polk Director of the College and Dean of the Medical Faculty, and appointed six professors. The medical college was made possible by the munificence of Colonel Oliver H. Payne, who provided the funds for the erection of the main building of the college, and pledged it his support. For several years he provided funds for the annual support of the college, and later made a generous provision for its permanent endowment by a gift of over four million dollars to the university.

In October, 1898, instruction began in temporary quarters. As the medical college admitted a number of students with advanced standing, Cornell University granted the degree of Doctor of Medicine for the first time in 1899.

In order to link up as far as could be done the medical college in New York City with the university of which it is a part, instruction in the medical sciences was begun at Ithaca the same year that the Cornell University Medical College came into being in New York City. The first two years of medical studies could be pursued either at Ithaca or in New York, while all students joined in New York City for the last two years, consisting mainly of clinical study, and the application of the medical sciences in the practice of medicine in its many divisions. The plan providing instruction at Ithaca was changed in 1908, as it was felt that the medical students should come earlier under the influence of the teaching centered about the various New York hospitals, and since that date only the first year of medical instruction has been offered on the campus of Cornell University at Ithaca.

The Cornell University Medical College from its foundation has undertaken to carry out two allied activities, the development of physicians of the best type and the extension of medical knowledge by means of research. The medical faculty has held from the beginning of its existence the attitude that these two functions are necessary as constituting a true university school. It is committed not only to conduct teaching of high order, but also to study disease and the sciences underlying medicine in order to add to medical knowledge.

THE NEW YORK HOSPITAL-CORNELL MEDICAL COLLEGE ASSOCIATION

The future of Cornell University Medical College is now bound up with that of the New York Hospital, and since September, 1932, the two institutions have occupied the same plant.

The New York Hospital was founded by Royal Charter on June 13, 1771, in the reign of King George III, and has stood throughout the life of the nation as one of the foremost hospitals in the United States, as an institution rendering service to the sick and injured, and as a center of medical education. For a number of years the hospital and the medical college had been partially affiliated. In June, 1927, an agreement was entered into between Cornell University and the New York Hospital by which the New York Hospital-Cornell Medical College Association was formed for the purpose of bringing together their facilities and cooperating in the care of patients, in medical education, and in medical research. In order to harmonize the interests of the hospital and of the medical college, the Joint Administrative Board was formed, consisting of three representatives of each institution and a seventh member elected by those appointed by the hospital and by the university.

Additional endowment was secured by each institution. A group of buildings was erected along the East River between 68th and 71st Streets, adjoining the Rockefeller Institute for Medical Research. The new plant affords separate buildings for each of the various laboratory departments, and includes approximately 1000 hospital beds. Provision is made for medicine, surgery, obstetrics and gynecology, pediatrics, and psychiatry in five distinct clinical units.

The faculty of the medical college and the professional staff of the hospital are organized so as to form one body established on a university basis.

The new plant completed in 1932 affords very favorable conditions for the conduct of medical education, for the pursuit of medical research, and for the care of patients in all phases of medical practice.

FACILITIES FOR INSTRUCTION

From the point of view of medical instruction, the facilities provided by the new plant of the New York Hospital-Cornell Medical College Association are in many respects unexcelled. The plant consists of eleven buildings, joined either directly or by underground passages. All of these buildings have been designed as parts of a great teaching institution, and in planning them much thought was given to the problems of teaching. Nearly five years were required to plan and construct the group of buildings to be devoted to the care of patients, to medical teaching, and to scientific research in the various fields of medicine.

The instruction in the medical sciences is conducted in a group of laboratories extending along York Avenue from 68th to 70th Street, centering about a court at the end of 69th Street, where the entrance of the medical college is located. Four buildings five stories high with two basements face York Avenue. The two outer buildings are connected with the central group by buildings two stories in height. At the northern end of the group is the laboratory of the Department of Anatomy with the Department of Public Health and Hygiene in the

connecting wing. The building at the southern end contains the laboratories of Biochemistry and Pharmacology. The central group of buildings is formed by the laboratories of the Department of Physiology on the south, and those of the Department of Bacteriology and Immunology on the north, joined by a seven-story building which contains the offices of the medical college, the library, and the Department of Pathology. This central building of the college is joined on all floors with the central hospital building.

Student laboratories and lecture rooms are provided on the second and third floors of these buildings and extensive facilities for research by staff and students are available on other floors. Locker rooms are provided for the use of students. A cafeteria under the direction of the chief dietitian of the New York Hospital is maintained for students and faculty.

Clinical instruction is given in the five separate clinics forming the New York Hospital. The medical and surgical clinics occupy the central hospital building, while the women's clinic, the pediatric clinic, and the psychiatric clinic extend from north to south, overlooking the East River. Each clinic contains, besides provision for bed-patients, its own out-patient department, lecture rooms and laboratories for routine study and for clinical research. Special provision has also been made for the laboratory work of students. The medical clinic occupies the second to fourth floors of the central hospital building, with six pavilions for bed-patients, three floors for its out-patient department, and extensive laboratories for chemical, physiological, and biological research.

The surgical clinic occupies the pavilions from the fifth to the ninth floor, with out-patient and other facilities for the various surgical specialties. The operating rooms are on the tenth and eleventh floors. Above are six floors containing one hundred rooms for private patients, while the living quarters for the resident staff are on the six floors at the top of the building. The entire hospital has a capacity of approximately 1,000 beds.

The head of each clinic, responsible for the care of patients and the conduct of the professional services of the hospital, is also professor in charge of the corresponding department of the medical college. Each clinical department is staffed in part by teachers and clinicians, including the professor in charge, who devote their entire time to the service of the college and hospital, while other members of these departments devote part of their time to private practice.

Although the clinical teaching is conducted largely in the New York Hospital, advantage is also taken of special facilities afforded by other hospitals. In some of these hospitals the staff appointments are controlled by the medical college, while in others the teaching privileges have been granted to the members of the staffs who are also members of the medical college faculty.

BELLEVUE HOSPITAL. Bellevue is the central hospital of the New York City Department of Hospitals. It contains 1,950 beds and is de-

voted to the treatment of acute diseases. It is organized in four divisions, one of which has been placed at the disposal of the faculty of Cornell University Medical College for medical instruction. The services conducted by the college include a medical service and a surgical service, each of 90 beds, a urological service and a neurological service of approximately 60 beds each. The staffs of these services are nominated by the college from among the members of its faculty and teaching staff, and the medical college is responsible for the professional conduct of these services.

MEMORIAL HOSPITAL. Through the generosity of the late Dr. James Douglas, who provided the hospital with an endowment for the study and treatment of cancer and allied diseases, the Memorial Hospital became affiliated in 1914 with Cornell University Medical College. According to an agreement between the Memorial Hospital and the College, the professional staff is named by the Council of the Medical College subject to the approval of the board of managers of the hospital. The facilities of the hospital, which are of exceptional value in the field of cancer, are available for study in this field by the members of the hospital staff, and unusual opportunities are afforded for instruction in the pathology, diagnosis, and treatment of neoplastic diseases.

THE JOHN E. BERWIND FREE MATERNITY CLINIC. An affiliation having been consummated between the John E. Berwind Free Maternity Clinic and Cornell University Medical College, the medical direction of the clinic is placed under the control of the college. The medical staff, including the resident and house staffs, is appointed by the clinic only on nomination by the medical college.

Cornell students are assigned to the clinic for practical instruction under the direction of the Professor of Obstetrics and Gynecology.

When Cornell students have been provided for, vacancies in the student staff will be filled by appointment. Application for such assignments should be made to the Superintendent of the Clinic, 125 East 103rd Street, New York, N. Y.

MANHATTAN STATE HOSPITAL, WARD'S ISLAND. This hospital for the care and treatment of mental diseases accommodates over 5,000 patients. Through the courtesy of the superintendent, the Department of Psychiatry is enabled to utilize this clinical material for bedside study of patients and for the instruction of students.

ST. LUKE'S HOSPITAL. Teaching privileges have been granted for surgical instruction which is conducted under the direction of a professor in Cornell University Medical College who is an attending surgeon of St. Luke's Hospital. The surgical service of this splendid institution affords valuable opportunities for the study of surgery.

WILLARD PARKER HOSPITAL. Instruction in infectious diseases is conducted at the Willard Parker Hospital, where staff positions are held by members of the faculty and teaching staff who have the privilege of conducting medical instruction.

THE RUSSELL SAGE INSTITUTE OF PATHOLOGY

This institute has been associated with Cornell University Medical College since 1913, through its affiliation with the Second Medical (Cornell) Division of Bellevue Hospital. It has supported research work in metabolism conducted by the members of the Department of Medicine. Dr. Eugene F. DuBois, Professor of Medicine, is the medical director of the institute. The respiration calorimeter which was operated for a number of years by Dr. DuBois at Bellevue Hospital has been transferred by the directors of the institute to the New York Hospital, and sufficient funds for carrying on the important metabolic studies of the staff have been provided by the institute.

THE LIBRARY

The reading room of the library is situated on the second floor of the central group of laboratory buildings, directly over the entrance of the medical college. The current journals are kept in racks about three sides of the room. The book stacks are directly behind and open to the reading room, extending down to the sub-basement with six floors of stacks and accommodations for about 100,000 volumes. There is also a library seminar room, and several rooms for the library staff.

The library contains at the present time about 21,500 volumes, largely made up of complete sets of important journals in the fields of clinical medicine and the medical sciences, in English, German, and French. There are also well-selected collections of monographs, textbooks, and reprints.

The library is under the direction of a committee of the faculty, and in charge of a trained librarian who gives instruction to students on the proper methods of using the library and of searching medical literature.

A special fund, maintained in memory of Alfred Moritz Michaelis, M.D., Cornell 1925, who died the year after his graduation, is used for the purchase of books of cultural and historic value in medicine.

In addition to the college library, students may obtain certain privileges at the library of the New York Academy of Medicine, Fifth Avenue and 103rd Street, the second largest medical library in the United States.

REQUIREMENTS FOR ADMISSION AND GRADUATION

The faculty of Cornell University Medical College is of the opinion that candidates for admission to the medical profession should possess the liberal culture and general education implied by a college degree in arts or science. *Only the following classes of candidates for the degree of Doctor of Medicine are admitted to Cornell University Medical College:*

- I. Graduates of approved colleges or scientific schools; *or*
- II. Seniors in good standing in approved colleges or scientific schools upon condition that their faculty will permit them to substitute the first year in Cornell University Medical College for the fourth year of their college course, and will confer upon them the bachelor's degree upon the satisfactory completion of the first year's work in medicine. No student admitted under this clause is permitted to enter the second year of the curriculum without having obtained a bachelor's degree.
- III. Persons who give evidence by examinations that they have acquired an equivalent education to that signified by a bachelor's degree, and training sufficient to enable them to profit by the instruction offered in the medical college. This rule is intended to apply to students of foreign universities.

ALL CANDIDATES FOR ADMISSION shall have satisfactorily completed, in an approved college, at least the following minimum requirements, in which a semester hour is the credit value of at least sixteen weeks' work, consisting of one hour of lecture or recitation *or* two or more hours of laboratory work, per week.

1. Physics, 6 semester hours, including laboratory work.
2. Chemistry, 12 semester hours (8 hours of inorganic, including qualitative analysis and 4 hours of organic chemistry). Quantitative analysis is recommended but not required.
3. Biology (Zoology), 6 semester hours, including laboratory work. In addition to this minimum requirement, a course in general histology with embryology including the early development of the frog and chick is very desirable. Courses in the comparative anatomy of vertebrates and elementary histological technique are also recommended.
4. English, 6 semester hours.
5. Modern language, 6 semester hours—French or German.
6. Students planning to study medicine should bear in mind that bacteriology, immunology, human physiology and abnormal psychology are properly subjects of the medical, and not of the pre-medical curriculum. In planning pre-medical work students are advised to elect subjects which will lay a broad foundation for medical study rather than to anticipate courses required as a part of the medical cur-

riculum. It is also suggested that students follow mathematics of college grade up to and including calculus, if advanced work in the medical sciences is contemplated.

APPLICATIONS FOR ADMISSION

All applications and inquiries regarding admission are to be addressed to the Secretary of the Faculty, from whom application forms may be obtained. Applications for admission should be submitted not later than January of the calendar year in which admission is desired, and should be followed promptly by an official transcript of the college record. A recent unmounted photograph of the applicant must be attached to each application.

All applicants, if requested, are required to present themselves *in person by appointment* at the office of the Secretary of the Faculty at some time after their credentials have been submitted. Exception may be made in the case of applicants living at great distances.

Applications are passed upon by the Committee on Admissions after all credentials have been filed. Candidates are promptly notified of the decision of the Committee. Accepted applicants are required to make a deposit of one hundred dollars within a specified time, usually about two weeks after notification of admission. This deposit is *not returnable*, but is credited toward the first tuition payment. If he fails to make this deposit within the time specified the applicant forfeits his place in the medical college.

A medical student's qualifying certificate, issued by the New York State Education Department signifying that its requirements have been met, must be secured before registration by each student accepted for admission. An application blank for the certificate with full instructions will be sent by the college to each student admitted.

ADMISSION TO ADVANCED STANDING

When vacancies occur, students may be admitted to advanced standing under the following conditions:

Applications for advanced standing should be filed according to the procedure described for admission to the first year class, accepted applicants being required to make the same deposit of one hundred dollars. Applicants must not only furnish acceptable evidence of having satisfactorily completed in an approved medical school all the work required of students of the class they wish to enter, but also of having completed the conditions of admission to the first year class at Cornell University Medical College. They must also present a certificate of honorable dismissal from the medical school or schools they have attended.

Examinations may be required in any of the medical courses taken at another school.

EXAMINATIONS AND PROMOTIONS

I. **ADVANCEMENT.** Students are advanced in their course upon recommendation of the Committee on Promotion and Graduation, which is composed of the heads of departments or their representatives responsible for the more important courses of each year. The quality of the work of each student is considered, usually at the end of each term. No grades are ever announced to students.

II. **EXAMINATIONS.** Examinations for advancement, graduation, and admission to advanced standing are held at the close of the academic year, except that in each course extending through a part of the year only, examinations may be held at the close of the course in the hours allotted thereto.

Students who fail in more than 40 per cent of the required hours of the first or subsequent years, must withdraw from the medical college. Students failing in less than the number of hours prescribed above may be reexamined, but only after pursuing additional work, under the direction of the head of the department in which a failure has occurred, throughout at least one term, or during a summer vacation.

Students who fail on reexamination are required to withdraw from the medical college, unless under special circumstances they are permitted by the Committee on Promotion and Graduation to repeat courses in which failures have occurred. Students repeating any work may be forbidden by the committee to take all or some of the courses they would normally carry.

Any student who by quality of work or conduct indicates an unfitness to enter the profession of medicine may, at the discretion of the faculty, be required at any time to withdraw from the medical college.

REQUIREMENTS FOR GRADUATION

The candidates for the degree of Doctor of Medicine must have attained the age of twenty-one years, and be of good moral character. They must have spent at least four years of study as matriculated medical students, the last of which must have been in Cornell University Medical College. They must have satisfactorily completed all the required work of the medical curriculum, must have passed all prescribed examinations, and be free from indebtedness to the college. At the end of the fourth year every student who has fulfilled these requirements will be recommended to the President and Trustees of Cornell University for the degree of Doctor of Medicine.

EXAMINATIONS FOR MEDICAL LICENSURE

Graduates of Cornell University Medical College are admitted unconditionally to the examinations for license to practice medicine in all states of the United States.

In New York State all credentials for admission to examinations for license should be filed with the State Education Department at

least fifteen days before the examinations are held. In 1936 these examinations will be held in February, June, and September (dates to be announced) at New York, Albany, Syracuse, and Buffalo. For complete information write to The Secretary, Board of Medical Licensure, Albany, New York.

Students and graduates of Cornell University Medical College are admitted to the examinations of the National Board of Medical Examiners, whose certificate is accepted by the Surgeons-General of the Army and Public Health Service of the United States and by the boards of medical licensure of forty-one states, Porto Rico, Hawaii, and the Canal Zone. This certificate is also recognized by the respective authorities of England, Scotland, and Ireland. For information write to The National Board of Medical Examiners, 225 South Fifteenth Street, Philadelphia, Pa.

GENERAL INFORMATION

FEES AND EXPENSES

All fees for instruction and other charges are paid at the Business Office of the Medical College, Room F-108, 1300 York Avenue, New York, N.Y.

TUITION FEE \$500 per year.

This fee is payable at the beginning of the academic year or in two equal parts, in which case the first payment must be made at registration and the second on January 15. No refund or rebate will be made in any case.

An advance of \$100 on account of tuition is required of all applicants accepted for admission *and is not returnable*. At matriculation it is credited toward tuition.

MATRICULATION FEE \$10

This fee is payable only once, on admission.

BREAKAGE DEPOSIT \$10

This deposit is to be made at the beginning of each academic year, and will be returned, less the amount charged for breakage, at the end of the year.

OBSTETRICS FEE \$10

This is a special fee, payable at the beginning of the *third* year.

FINAL EXAMINATION FEE \$25

This fee is payable on registration for graduation.

STUDENTS OF THE GRADUATE SCHOOL:

For fees, see page 89.

SPECIAL STUDENTS:

MATRICULATION AND ADMINISTRATION FEE \$15

TUITION: Fees vary depending upon the type of work taken. See sections describing the courses offered. A breakage fee may be required.

All students entering the medical college are required to provide themselves with satisfactory microscopes. Haemocytometers and haemoglobinometers will be required at the beginning of the third trimester of the second year. The necessary books are conservatively estimated to cost about \$50 per year.

All students should assure themselves that they can carry the financial burdens involved with reasonable certainty up to the time of graduation. Experience has proved that the student will need his

entire time and undivided interest for study. It is unwise to depend upon earning any part of one's expenses during the college year. A student indebted to the college is ineligible for graduation.

STUDENT HEALTH SERVICE

All members of the first year class and all students transferred from other colleges are required to have a thorough physical examination by a member of the staff assigned by the college physician. All students are re-examined at the end of their medical course, and an x-ray examination of the lungs is made yearly. Regular daily office hours are held by the Student Health Service staff. Students pay no fees for the services of this staff. Health records are kept, and students are advised concerning their physical condition and general health. All cases of illness must be reported immediately to the college physician. Students may have in attendance physicians of their own choice, but a reasonable amount of cooperation between such physicians and the college health service is expected. A woman physician on the staff will be available for women students.

SCHOLARSHIPS*

1. THE JOHN METCALFE POLK SCHOLARSHIP. A gift under the will of William Mecklenberg Polk, the first Dean of the medical college is awarded annually by the faculty. The scholarship amounts to about \$200 a year.

2. THE THORNE SHAW SCHOLARSHIP FUND. This fund provides three scholarships designated as:

First: A scholarship of approximately \$400 available to students after at least two years of study in the medical college.

Second: Two scholarships of approximately \$200 each available to students after at least one year of study in the medical college.

These scholarships are awarded by the faculty upon nomination by the Committee on Scholarships and Prizes. They are awarded annually in June and are for one year only. Students receiving the scholarships are notified of the award at the end of the session, and public announcement is made at the opening of the subsequent session in September.

3. MARY F. HALL SCHOLARSHIP. The income, amounting to about \$120 annually, from a fund established by bequest of Miss Mary F. Hall, is available to any woman student in Cornell University Medical College who needs its aid and who is a *bona fide* resident of the State of New York and was such prior to admission to the college.

LOAN FUNDS

1. THE 1923 LOAN FUND. This fund amounts to \$400 a year and is available as a loan to students needing financial assistance, preferably to a third year student.

*Scholarships are awarded primarily for merit, with need a secondary consideration.

2. **ALUMNI ASSOCIATION LOAN FUND.** The Alumni Association of the medical college has set aside sufficient funds to aid several students in meeting their tuition expenses. This fund will be administered by the medical college in cooperation with a committee of the Alumni Association. Students receiving aid from this fund will, as a general rule, be selected from the upper classes.

3. **STUDENT LOAN FUND.** This fund has been collected by the students of the medical college, and is available for students of the third or fourth year class who are in need of immediate financial assistance.

PRIZES

1. **FOR GENERAL EFFICIENCY.** In commemoration of John Metcalfe Polk, an instructor in this college, who was graduated from Cornell University Medical College on June 7, 1899, and died on March 29, 1904, prizes will be presented at each commencement to the three students having the highest standing for the four years work. Only those who have taken the full course of study at Cornell University Medical College are eligible. The first prize is \$250, the second \$100, and the third \$50.

2. **FOR EFFICIENCY IN GYNECOLOGY.** Established by Mrs. W. M. Polk in memory of William Mecklenburg Polk, M.D., LL.D., Dean and Professor of Gynecology in Cornell University Medical College from its founding in 1898 until his death, June 23, 1918, annual prizes are awarded to three members of the senior class, in order of merit, for special distinction in gynecology. The first prize is \$125, the second \$75, and the third \$50.

3. **FOR EFFICIENCY IN OTOTOLOGY.** Two prizes, the first of \$50, the second of \$25, are offered by Professor Frederick Whiting to the two students of the graduating class who make the best records in otology.

4. **FOR EFFICIENCY IN OBSTETRICS.** Two prizes, the first of \$60, the second of \$30, have been endowed by an anonymous donor in recognition of the work of Dr. Gustav Seeligman in obstetrics, to be given to the two students of the graduating class who have made the best records in obstetrics.

5. **FOR EFFICIENCY IN GENERAL MEDICINE.** The income of \$1,000 is offered as a prize for general efficiency in the Department of Medicine, in commemoration of Alfred Moritz Michaelis, who was graduated from Cornell University Medical College on June 11, 1925, and who died during his internship at Mt. Sinai Hospital, April 24, 1926. Presented at each commencement to a member of the graduating class who has pursued the full course at Cornell University Medical College.

6. **FOR EFFICIENCY IN RESEARCH.** In memory of William Mecklenburg Polk, M.D., LL.D., first dean of the medical college, two prizes are offered to regularly matriculated students of the Cornell University Medical College, the first of \$200, and the second of \$50.

The awards are made annually at the opening exercises of the medical college in September for the best reports presented in writing of research

work done by students, or for valuable reviews and logical presentations on medical subjects not to be found fully considered in a single text or reference book. If the papers submitted are not considered worthy of special commendation the prizes will be withheld.

Papers are submitted in quadruplicate in a sealed envelope marked, "Dean William Mecklenburg Polk Memorial Prize Committee," and must be in the Dean's Office not later than the first day of September.

The committee of awards for this prize consists of two members of the faculty from laboratory departments, and two from clinical departments.

EDUCATIONAL POLICIES AND PLAN OF INSTRUCTION

The medical college is divided into thirteen major departments, six of which are primarily concerned with the sciences underlying clinical medicine. They are anatomy, biochemistry, physiology, bacteriology and immunology, pathology, and pharmacology. Seven departments have as their major functions the study, treatment, and prevention of human disease, and maternity care. These are medicine, surgery, pediatrics, psychiatry, obstetrics and gynecology, public health and preventive medicine, and applied pathology and bacteriology.

The heads of these major departments, together with the President of the University, and the Associate Dean, constitute the Executive Faculty, which is responsible for the educational policies of the college.

Courses required to be completed by each student before the degree of Doctor of Medicine is conferred by Cornell University are offered by each department. These courses are arranged, in their sequence and duration, to develop logically the knowledge and training of students and to build up gradually the requirements needed for graduation as Doctor of Medicine. The various departments also offer courses and opportunities for special study open to regular medical students, to candidates for advanced degrees in the Graduate School of Cornell University, and to qualified advanced students of medicine not candidates for degrees.

Medical knowledge is so extensive that only a small part of that needed for a successful career in medicine can be acquired during the time devoted to medical study by the medical college curriculum. The time devoted by the prospective physician to his preparation for the practice of Medicine includes at least one, and often many more years of graduate medical education as interne or resident of a hospital, either in clinical or laboratory work, or both. The required period of study at Cornell University Medical College extends over four academic years of at least thirty-four weeks each, with a vacation period annually of about eighteen weeks. It is planned that studies may be pursued during vacation periods. This will provide an opportunity to shorten the time necessary to complete all required courses and thereby to devote more time to elective work. Opportunities for studying in other medical schools may also be arranged during the course if appropriate conditions can be found.

As medical science and medical practice may be pursued in a variety of ways, it is the policy of the college to encourage the student to vary his course of study according to his special interests and particular talents as far as is consistent with meeting the requirements for the degree of Doctor of Medicine.

A thesis is not required for the degree of Doctor of Medicine, but students are encouraged to engage in individual work as far as their time permits, with the hope that they may accomplish results worthy of publication. It is therefore desirable for some students to devote all their free time to a single subject in which they have a special interest.

The development of technical and scientific proficiency in the various special fields of clinical medicine is not encouraged during the regular medical course, but must await adequate training after graduation.

The first year of study is devoted to anatomy, biochemistry, and physiology. It is divided into trimesters.

During the second year, the required courses in physiology, pathology, bacteriology and immunology, and in pharmacology occupy the first two trimesters. The last is devoted to technical training preparatory to the study of patients, courses being given by the departments of applied pathology and bacteriology, medicine, and anatomy.

During the third and fourth years, students are divided into small groups for practical work in the various clinics and for elective work. The third and fourth year classes meet together at noon each day for clinical lectures and demonstrations and for clinical-pathological conferences.

Time for elective work is provided in the second and fourth years, after students have had opportunities to acquire some knowledge of the medical sciences and of clinical medicine. Students are advised to consult informally members of the faculty in regard to the use of their time for elective work. It is deemed best not to establish a formal advisory system.

The details of the courses offered by each department are to be found in the departmental announcements.

The faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without previous notice to students.

TABLE OF REQUIRED HOURS

	<i>First Year</i>	<i>Second Year</i>	<i>Third Year</i>	<i>Fourth Year</i>
ANATOMY.....	430	33		
HISTOLOGY AND EMBRYOLOGY	192			
NEURO-ANATOMY.....	88			
BIOCHEMISTRY.....	247			
PHYSIOLOGY.....	132	144		
PHARMACOLOGY.....		132		
BACTERIOLOGY.		152		
PATHOLOGY.....		304		
CLINICAL PATHOLOGY.....		132		
MEDICINE.....		132	392	340
DERMATOLOGY.....			16*	
NEUROLOGY.....			12*	
NEUROPATHOLOGY.....			24*	
SURGERY.....			438	306
SURGICAL PATHOLOGY.....			36**	
OPHTHALMOLOGY.....			24**	
OTOLARYNGOLOGY.....			16**	
ORTHOPEDICS.....			16**	
OPERATIVE SURGERY.....			24**	
OBSTETRICS AND GYNECOLOGY.			200	365 (Minimum)
PEDIATRICS.....			128	76
PSYCHIATRY.....	22	11	71	93
PUBLIC HEALTH.....		80†		34
RADIOLOGY..			10	
ELECTIVE.....	(102)	(102)	(34)	(152)
TOTAL.....	1111	1040	1239	1214

*Included in 392 allotted to Medicine.

**Included in 438 hours allotted to Surgery.

†Not given during 1935-1936; To be included in 3rd year, 1936-1937.

ANATOMY

CHARLES R. STOCKARD, Professor of Anatomy.
CHARLES V. MORRILL, Associate Professor of Anatomy.
GEORGE PAPANICOLAOU, Assistant Professor of Anatomy.
JOSÉ F. NONIDEZ, Assistant Professor of Anatomy.
PHILIP B. ARMSTRONG, Assistant Professor of Anatomy.
LOUIS F. HAUSMAN, Associate in Neuro-Anatomy.
EMILIA M. VICARI, Research Associate in Anatomy.
OSCAR D. ANDERSON, Associate in Anatomy.
CHESTER LOOMIS YNTEMA, Instructor in Anatomy.
WILLIAM T. JAMES, Assistant in Anatomy.
WALTER R. SPOFFORD, Assistant in Anatomy.

I. MORPHOLOGY

STRUCTURE OF MAN. This course considers the structure of the various organs and systems of the human body in the light of their variations and evolutions. The relationship of the parts, organs and systems is also explained by numerous facts gathered from experimental morphological studies on lower vertebrates.

The chief aim is to emphasize the idea that animal structures are constantly changing and varying, yet are so definite as to lend themselves to logical analysis.

Laboratory, 40 hours (elective), and demonstration conference, 22 hours (optional). Professor STOCKARD.

II. EMBRYOLOGY AND HISTOLOGY

The work in embryology presupposes a general knowledge of the subject, particularly that of the early development of the chick. It embraces a thorough study of the development of the mammalian embryo in the light of our knowledge of the evolution of the human body. Malformations resulting from developmental disturbances are broadly considered. The course is closely correlated with that of gross anatomy.

The work in histology includes the histogenesis and microscopic structure of all organs of the human body with the exception of the central nervous system (See Neuro-anatomy). Emphasis is laid on the relation of structure to function.

The tissues are studied principally by means of stained sections and practice is given in rapid identification of their diagnostic features. Demonstrations of living material are made and opportunities are offered for acquiring the essentials of histological technique.

A part of the course is devoted to seminars on current literature.

Laboratory course and lectures, 192 hours, October to March. Required of all first year students. Assistant Professor NONIDEZ and assistants.

III. NEURO-ANATOMY

A laboratory course on the gross and microscopic anatomy of the human nervous system. Special emphasis is laid on the more important pathways and their functions.

Laboratory and demonstrations, 88 hours. Required of all first year students during the third term. Assistant Professor NONIDIZ and Dr. HAUSMAN.

IV. GROSS ANATOMY OF THE HUMAN BODY

This is taught by means of laboratory exercises and dissections. The required work includes: (a) Dissection of the part. (b) Demonstrations, study and discussion upon dissected and prepared specimens, and from standard text-books.

Total laboratory hours, 430 (minimum). First and second terms of the first year.

Course 1. A DEMONSTRATION COURSE. Demonstrations upon the cadaver, models and dissected preparations amplifying the courses in dissection during the first and second terms of the first year. Optional for the first year students.

Course 2. STUDY ROOM COURSE IN LIVE ANATOMY. Since the ultimate aim of dissection is to acquaint the student not merely with the arrangement of structures in the cadaver, but with the facts of the living body, this course follows as a natural sequence to the work of the dissecting room. Optional to first year students.

Course 3. DISSECTION REVIEW. The work gives an opportunity for advanced dissection. Optional to students of the second, third, or fourth years. Afternoons.

Course 4. TOPOGRAPHICAL ANATOMY. A study of the relations and topography of the parts of the body by means of frozen sections. Cleared preparations and living models are also used. Members of the class must submit a number of drawings made from the sections.

Laboratory, 33 hours. Required during the third trimester of the second year. Professors STOCKARD, MORRILL, ARMSTRONG, and assistants.

V. ELECTIVE COURSES

Course 1. PREPARATORY TO THE SPECIALTIES. These courses offer a thorough review of the embryology, histology and gross anatomy of the following organs and systems: (a) the eye; (b) the ear; (c) the face and neck, including especially the nose and accessory sinuses, the mouth and salivary glands, pharynx and larynx, thyroid, and parathyroid glands; (d) the genito-urinary system, male and female; (e) the brain and spinal cord; (f) the thorax and abdomen; (g) the extremities, especially the joints and their mechanics. Laboratory, 40 hours. Professor STOCKARD.

Course 2. GENERAL HISTOLOGY. This course will comprise a study of the various types of tissues which form the several organs of

the vertebrate body. The structures will be studied not only from the mere morphological standpoint, but the various biological problems involved will be taken into consideration. The close relationship between structure and function will be elucidated.

Twenty lectures. Assistant Professor NONIDEZ.

Course 3. THE ANATOMY OF THE INFANT. A course of lectures amplified by demonstrations and the study of preparations.

Twenty demonstrations arranged for in advance. Professor STOCKARD.

Course 4. DEVELOPMENTAL ARRESTS AND STRUCTURAL DEFICIENCIES. A discussion of the imperfections in development which may occur during various periods from the maturation of the germ cells, fertilization of the egg on through embryonic and fetal development.

Fifteen lectures. Professor STOCKARD.

Course 5. EXPERIMENTAL EMBRYOLOGY. These lectures begin with the history of the subject and the various aspects of the problems concerned. The experimental analysis of embryological processes is then considered from several points of view.

Twenty lectures with conferences considering the recent literature of the subject. Professor STOCKARD.

Course 6. REGIONAL ANATOMY. This course will comprise a thorough review by means of dissections, demonstrations and reading of the gross anatomy, histology and development of selected regions of the body and of organs and organ systems.

Laboratory and demonstration, 3 half days a week for one month.

Associate Professor MORRILL and assistants.

Course 7. ANATOMICAL RESEARCH. To students desiring to pursue research in anatomical subjects the equipment of the entire department is available. Members of the staff will assign subjects and direct the progress of advanced work of this type. The work may be elected by students who enter with advanced credits, or by any student who has completed the preliminary courses in descriptive anatomy, histology and embryology. The course is also open to graduates in medicine or biology.

OTHER ELECTIVES. The Department of Anatomy will arrange a schedule of work to fit individual cases for a limited number of *fourth-year students* desiring to devote the major part or all of their elective time. Such work will be designed, in cases where sufficient time is available, to equip the student to become a laboratory assistant.

COURSES OPEN TO SPECIAL STUDENTS

1. EMBRYOLOGY. September to March. Fee \$50. Details, pages 59.

2. HISTOLOGICAL TECHNIC.* Laboratory at least three hours daily and conferences with instructors. Fee \$30.

3 and 4. GENERAL HISTOLOGY AND MICROSCOPICAL ANATOMY. September to March. Fee \$50. Details on page 59.

*Courses may be begun at any time.

5. **DISSECTION.*** See Courses I-IV, page 59. Fee \$30 per term (ten weeks); or for the entire dissection, \$50.
6. **NEURO-ANATOMY.** March to May. Fee \$30. Details on page 60.
7. **ANATOMICAL RESEARCH.*** Subject to special arrangement with the head of the department.

BIOCHEMISTRY

STANLEY R. BENEDICT, Professor of Biochemistry.
RICHARD W. JACKSON, Assistant Professor of Biochemistry.
WILLIAM H. SUMMERSON, Instructor in Biochemistry.
NATHAN F. BLAU, Research Associate in Biochemistry.
EMIL OSTERBERG, Instructor in Biochemistry.
JEANETTE ALLEN BEHRE, Instructor in Biochemistry.
ELEANOR B. NEWTON, Instructor in Biochemistry.
GERTRUDE GOTTSCHALL, Assistant in Biochemistry.

The instruction in biochemistry is concentrated in the first year, and is arranged upon the assumption that the student is already thoroughly grounded in the principles of chemistry and physics. The object is to impart that fundamental knowledge of organic and physiological chemistry which is necessary to the comprehension of the bearings of chemistry upon physiology, pharmacology, and medicine.

LECTURES. There are three conferences a week on physical chemistry during the first term. The elements of the subject are presented with special emphasis upon the properties and reactions of colloids, and the theory of indicators. Roentgen and radium rays are also discussed.

During the second term two lectures a week are devoted to organic and physiological chemistry. The lectures discuss groups of compounds of special biological importance, emphasizing the carbohydrates, purines, amino acids and fats.

In the third term two lectures weekly are devoted to physiological chemistry.

LABORATORY WORK. During the first term there is one session weekly of two hours in physical chemistry. The experiments are designed to familiarize the student with the fundamental properties of electrolytes and colloids, and to study the phenomena of osmosis and dialysis. Methods of hydrogen ion determination are also studied.

In the second term there are five hours weekly in organic and physiological chemistry. This work is directed mainly to the study of organic compounds of biological importance, and furnishes practice on those points in which laboratory manipulations are desirable.

During the third term there are two four-hour laboratory sessions weekly in physiological chemistry. This course includes the study of the reactions of the carbohydrates, fats and proteins; of the composition of the salivary, gastric, pancreatic and intestinal secretions and

*These courses may be begun at any time.

the bile, and their actions in digestion; of the urine, blood, and milk; and of the examination of pathological fluids, concretions, etc. The arrangement of this course is in coaptation with those in physiology and in clinical pathology.

Total hours, 247.

RESEARCH. The laboratory is open to students of any year who desire to prosecute advanced work or research, subject to the regulations of the office.

ELECTIVE COURSES

CHEMICAL PATHOLOGY. A practical course in the chemical analysis of the blood. The laboratory work is supplemented by informal lectures and discussions. Hours to be arranged.

COURSES OPEN TO SPECIAL STUDENTS

1. **PHYSICAL CHEMISTRY AS APPLIED TO MEDICINE.*** Eleven weeks, two lectures, one laboratory period. Fee \$25.

2. **PHYSIOLOGICAL CHEMISTRY.*** Two terms, of ten and eleven weeks each. Two lectures and two laboratory periods each week. Fee \$25 per term.

3. **CHEMICAL PATHOLOGY.*** A practical course in methods of blood analysis. Two three-hour periods a week for one month. Fee \$25.

4. **RESEARCH WORK IN PHYSIOLOGICAL CHEMISTRY, CHEMICAL PATHOLOGY, OR TOXICOLOGY.*** Hours and fee to be arranged with each student.

PHYSIOLOGY

———, Professor of Physiology.

DAYTON J. EDWARDS, Associate Professor of Physiology.

McKEEN CATTELL, Assistant Professor of Physiology.

WILLIAM H. CHAMBERS, Assistant Professor of Physiology.

HARRY GRUNDFEST, Assistant in Physiology.

First Year. Lectures, laboratory and conferences. Physiology of muscle and nerve, the central nervous system, the special senses, digestion and internal secretions. 132 hours.

Second Year. Lectures, laboratory and conferences. Physiology of the blood, circulation, respiration, and metabolism. 144 hours.

ELECTIVE COURSES

The department will arrange a schedule of work for fourth year students who wish to devote their elective time to physiology.

COURSES OPEN TO SPECIAL STUDENTS

1. **PHYSIOLOGY.** Third term. Fee \$50.

2. **PHYSIOLOGICAL RESEARCH.*** Subject to special arrangement with the head of the department.

*These courses may be begun at any time.

BACTERIOLOGY AND IMMUNOLOGY

JAMES M. NEILL, Professor of Bacteriology and Immunology.

JOHN Y. SUGG, Assistant Professor of Bacteriology and Immunology.

JAMES R. DAWSON, JR., Instructor in Bacteriology and Immunology.

JOHN C. PETERSON, Assistant in Bacteriology and Immunology.

EVELYN JAFFE, Research Assistant in Bacteriology and Immunology.

The course given to second year students consists of lectures, laboratory work, and group conferences. Emphasis is placed upon the aspects of bacteriology and of immunology that are pertinent to an understanding of the etiology and pathogenesis of infectious diseases. The study of infectious material from patients is included in the laboratory part of the course, not only to acquaint the student with the technical procedures, but to illustrate the application of fundamental principles to practical methods. 152 hours.

ELECTIVE COURSES

The department will arrange a schedule of work for fourth year students who wish to devote their elective time to bacteriology and immunology.

PATHOLOGY

GENERAL PATHOLOGY, PATHOLOGICAL ANATOMY, EXPERIMENTAL PATHOLOGY

EUGENE L. OPIE, Professor of Pathology.

JAMES EWING, Professor of Onocology.

ROBERT A. MOORE, Assistant Professor of Pathology.

JACOB FURTH, Assistant Professor of Pathology.

JULES FREUND, Assistant Professor of Pathology.

LEWIS D. STEVENSON, Assistant Professor of Neuropathology.

FRED W. STEWART, Associate in Pathology.

CHARLES T. OLCOTT, Instructor in Pathology.

HENRY W. FERRIS, Instructor in Pathology.

D. MURRAY ANGEVINE, Instructor in Pathology.

ROBERT BURLINGHAM, Assistant in Pathology.

JACOB WERNE, Assistant in Pathology.

LOUIS M. HELLMAN, Assistant in Pathology.

GENERAL PATHOLOGY

FACILITIES. The department of pathology occupies three floors of the central part of the college building, conveniently located above the library and in immediate contact with the hospital, the autopsy room being in the connecting wing between college and hospital. The teaching is largely concentrated on the third floor, where the autopsy room, demonstration room for pathological anatomy, anatomical museum, and class rooms are found. The fourth and fifth floors are chiefly unit

laboratories for staff members and graduate students and for technical preparation. In addition, adequate animal quarters and facilities for experimental work are on the fifth, sixth, and seventh floors.

The museum contains a carefully selected collection of nearly three thousand specimens, representing most of the common and many of the more unusual pathological lesions. It is especially rich in lesions of bones and in tumors. In addition to this mounted collection, there is available a very considerable amount of constantly changing gross material for student study.

The pathological service of the New York Hospital affords abundant opportunity for study of pathological anatomy and its relation to clinical medicine. The systematic records of autopsies performed at New York Hospital have been preserved since 1851 and in recent years protocols and microscopic slides have been carefully indexed and filed.

INSTRUCTION. The course of instruction is given in the second and third trimesters of the second year. It consists of gross lesions and their correlation with disturbed function; there are experiments, lectures and class room demonstrations. This is supplemented by study of gross pathology at the autopsy table. The course begins with the degenerations, inflammation and repair, and proceeds with the various specific infections. The latter part of the course is devoted to special systemic pathology including an introduction to neuropathology.

Course I. GENERAL PATHOLOGY. Laboratory work with lectures and gross and microscopical demonstrations. The work covers inflammation, degeneration, regeneration, infectious diseases and tumors.

Required in the second trimester of the second year.

Course II. SYSTEMIC PATHOLOGY. Laboratory work with lectures on the pathology of various organ systems.

Required in the second trimester of the second year. Total courses I and II, 304 hours.

Professors OPIE, MOORE, FREUND, FURTH and staff.

Course III. NEUROPATHOLOGY. The pathology of the nervous system is studied and altered structure and function correlated. Dr. STEVENSON.

Course IV. CLINICAL PATHOLOGICAL CONFERENCES. These conferences are held in cooperation with the staffs of the clinical departments of the Hospital and Medical College each week throughout the year. Observations concerning the clinical course and diagnosis of disease are correlated with changes found at autopsy.

ELECTIVE COURSES

A student may undertake the investigation of some problem in pathology or may pursue advanced courses in any of several fields, to be determined by consultation with the head of the department. Research or elective courses will ordinarily require the entire time of the student for a period of one to three months, and may be continued into the summer.

A clerkship of one month at Memorial Hospital, under the direction of Dr. James Ewing and Dr. Frank Adair, is open to senior students each month of the academic year. Instruction is offered in the pathology, diagnosis, and treatment of cancer and related diseases.

COURSE OPEN TO STUDENTS OF THE GRADUATE SCHOOL

Opportunity is afforded a limited number of students to engage in research under the direction of a member of the department. The student must devote his entire time to work in pathology and related subjects. By special arrangement this work may be pursued at the Memorial Hospital in cancer research.

PHARMACOLOGY

—————, Professor of Pharmacology.
HARRY GOLD, Assistant Professor of Pharmacology.
WALTER MODELL, Instructor in Pharmacology.
JANET TRAVELL, Instructor in Pharmacology.

I. PHARMACOLOGY

Course 1. LABORATORY. The experiments are designed to illustrate a wide range of pharmacologic actions, the more important drugs being considered with reference to their actions on different structures. Professor GOLD; Drs. MODELL and TRAVELL.

Course 2. LECTURES. Lectures, conferences and written reviews on systematic pharmacology. Drs. MODELL and TRAVELL. Total hours, 121, including materia medica and pharmacy.

II. MATERIA MEDICA AND PHARMACY

Course 3. ELEMENTARY PHARMACY AND TOXICOLOGY. Consideration of crude drugs, and making pharmacopeial preparations of the different pharmaceutical classes (extracts, pills, etc.) and toxicologic analysis. Each laboratory exercise is preceded by an informal discussion of the work and its relation to pharmacology.

Course 4. PRESCRIPTION WRITING. A course of eight hours. Dr. GOLD.

Course 5. RESEARCH. Students are encouraged to conduct original research under the supervision of the members of the staff. Such work affords a valuable insight into pharmacologic methods, and assists in the formation of a correct estimate of the original work of others. Elective.

ELECTIVE COURSES

The department will arrange a schedule of work for fourth year students who wish to devote their elective time to pharmacology.

COURSES OPEN TO SPECIAL STUDENTS

Course 1. LABORATORY PHARMACOLOGY. Under supervision and including conferences with instructor. Fee \$25.

Course 2. RESEARCH WORK IN PHARMACOLOGY.* Subject to special arrangement with the head of the department.

APPLIED PATHOLOGY AND BACTERIOLOGY

WILLIAM J. ELSE, Professor of Applied Pathology and Bacteriology.

RALPH G. STILLMAN, Assistant Professor of Clinical Pathology.

GEORGE W. WHEELER, Assistant Professor of Applied Bacteriology.

MATTHEW WALZER, Lecturer in Allergy.

GUSTAV I. STEFFEN, Instructor in Applied Bacteriology.

RUTH THOMAS, Instructor in Applied Bacteriology.

ELIZABETH WATSON, Instructor in Applied Bacteriology.

The introductory required course is given in the third trimester of the second year. It consists of 132 hours of lectures and laboratory work. This time is devoted to the discussion of the theory, practice and application of methods for the examination of urine, blood, sputum, exudates, transudates, spinal fluid, gastric contents, and feces. The methods studied will include chemical, morphological, serological and animal inoculation methods which are of value as diagnostic procedures. There will be included discussion of the clinical significance of findings. In addition, certain allergic phenomena will be presented in lecture and demonstration and their clinical relationship discussed.

*This course may be begun at any time.

MEDICINE

EUGENE F. DuBois, Professor of Medicine.
LEWIS A. CONNER, Professor of Clinical Medicine.
WILLIAM R. WILLIAMS, Professor of Clinical Medicine.
WALTER L. NILES, Professor of Clinical Medicine.
MALCOLM GOODRIDGE, Professor of Clinical Medicine.
JOSEPH C. ROPER, Professor of Clinical Medicine.
RUSSEL L. CECIL, Professor of Clinical Medicine.
JOHN W. CHURCHMAN, Professor of Experimental Therapeutics.*
HENRY B. RICHARDSON, Associate Professor of Medicine.
HAROLD J. STEWART, Associate Professor of Medicine.
WILLIAM C. THRO, Associate Professor of Medicine.
HENRY J. SPENCER, Associate Professor of Clinical Medicine.
HENRY BEEUWKES, Assistant Professor of Medicine.
PAUL REZNIKOFF, Assistant Professor of Medicine.
EPHRAIM SHORR, Assistant Professor of Medicine.
BRUCE WEBSTER, Assistant Professor of Medicine.
HAROLD G. WOLFF, Assistant Professor of Medicine.
ROBERT A. COOKE, Assistant Professor of Clinical Medicine.
LLOYD F. CRAVER, Assistant Professor of Clinical Medicine.
EDWARD CUSSLER, Assistant Professor of Clinical Medicine.
CARY EGGLESTON, Assistant Professor of Clinical Medicine.
CONNIE M. GUION, Assistant Professor of Clinical Medicine.
ARTHUR L. HOLLAND, Assistant Professor of Clinical Medicine.
WILLIAM S. LADD, Assistant Professor of Clinical Medicine.
EDGAR MAYER, Assistant Professor of Clinical Medicine.
HAROLD E. B. PARDEE, Assistant Professor of Clinical Medicine.
HARRY A. BRAY, Lecturer in Tuberculosis.
CONSTANCE FRIESS, Instructor in Medicine.
ARTHUR W. GRACE, Instructor in Medicine.
ADE T. MILHORAT, Instructor in Medicine.
EDITH E. NICHOLLS, Instructor in Medicine.
THEODORE W. OPPEL, Instructor in Medicine.
WENDELL J. STAINSBY, Instructor in Medicine.
BRANDT F. STEELE, Instructor in Medicine.
ABRAHAM A. ANTOVILLE, Instructor in Clinical Medicine.
BENJAMIN I. ASHE, Instructor in Clinical Medicine.
HORACE S. BALDWIN, Instructor in Clinical Medicine.
JAMES R. BEARD, JR., Instructor in Clinical Medicine.
ZACHARIAS BERCOVITZ, Instructor in Clinical Medicine.
JAMES M. BETHEA, Instructor in Clinical Medicine.
GEORGE E. BINKLEY, Instructor in Clinical Medicine.
JACOB BUCKSTEIN, Instructor in Clinical Medicine.
EDWARD A. BURKHARDT, Instructor in Clinical Medicine.
LAILA COSTON-CONNOR, Instructor in Clinical Medicine.

* *Absent on leave, 1935-36.*

EDWARD M. DODD, Instructor in Clinical Medicine.
 JOHN C. DUNDEE, Instructor in Clinical Medicine.
 A. WILBUR DURYEE, Instructor in Clinical Medicine.
 FRANK M. FALCONER, Instructor in Clinical Medicine.
 EMIL A. FALK, Instructor in Clinical Medicine.
 LAWRENCE FARMER-LOEB, Instructor in Clinical Medicine.
 JOHN M. GIBBONS, Instructor in Clinical Medicine.
 DAVID GLUSKER, Instructor in Clinical Medicine.
 SIDNEY GREENBERG, Instructor in Clinical Medicine.
 EDWIN T. HAUSER, Instructor in Clinical Medicine.
 LOUIS A. HAUSER, Instructor in Clinical Medicine.
 MILTON HELPERN, Instructor in Clinical Medicine.
 EVELYN HOLT, Instructor in Clinical Medicine.
 LESLIE A. HOMRICH, Instructor in Clinical Medicine.
 SCOTT JOHNSON, Instructor in Clinical Medicine.
 ESTELLE KLEIBER, Instructor in Clinical Medicine.
 DOROTHEA LEMCKE, Instructor in Clinical Medicine.
 LEON I. LEVINE, Instructor in Clinical Medicine.
 ASA L. LINCOLN, Instructor in Clinical Medicine.
 ROBERT M. LINTZ, Instructor in Clinical Medicine.
 JANE LOCKWOOD, Instructor in Clinical Medicine.
 ROBERT O. LOEBEL, Instructor in Clinical Medicine.
 KIRBY MARTIN, Instructor in Clinical Medicine.
 A. PARKS McCOMBS, Instructor in Clinical Medicine.
 DOUGLASS PALMER, Instructor in Clinical Medicine.
 NORMAN PAPAE, Instructor in Clinical Medicine.
 FRANK H. PETERS, Instructor in Clinical Medicine.
 ANNA PLATT, Instructor in Clinical Medicine.
 NORMAN PLUMMER, Instructor in Clinical Medicine.
 HERBERT POLLACK, Instructor in Clinical Medicine.
 ADA C. REID, Instructor in Clinical Medicine.
 JOHN H. RICHARDS, Instructor in Clinical Medicine.
 THERESA SCANLAN, Instructor in Clinical Medicine.
 AARON D. SPIELMAN, Instructor in Clinical Medicine.
 JOHN W. STICKNEY, Instructor in Clinical Medicine.
 WILLIAM D. STUBENBORD, Instructor in Clinical Medicine.
 GURNEY TAYLOR, Instructor in Clinical Medicine.
 EDWARD TOLSTOI, Instructor in Clinical Medicine.
 MARIAN TYNDALL, Instructor in Clinical Medicine.
 STEPHEN WHITE, Instructor in Clinical Medicine.
 BYARD WILLIAMS, Instructor in Clinical Medicine.
 ALEXANDER H. WILLIAMSON, Instructor in Clinical Medicine.
 DAN H. WITT, Instructor in Clinical Medicine.
 IRVING S. WRIGHT, Instructor in Clinical Medicine.
 GEORGE J. YOUNG, Instructor in Clinical Medicine.
 MORRIS ZUCKER, Instructor in Clinical Medicine.
 VERONICA C. BROWN, Assistant in Medicine.
 NORMAN F. CRANE, Assistant in Medicine.

JOHN E. DEITRICK, Assistant in Medicine.
HENRY S. DUNNING, Assistant in Medicine.
WALSH McDERMOTT, Assistant in Medicine.
RAYMOND E. MILLER, Assistant in Medicine.
WILSON F. SMITH, Jr., Assistant in Medicine.
ISABEL M. LONDON, Assistant in Clinical Medicine.
CARROLL A. PFEIFFER, Fellow in Medicine.

NEUROLOGY

FOSTER KENNEDY, Professor of Clinical Neurology.
LEWIS D. STEVENSON, Assistant Professor of Clinical Neurology.
LOUIS F. HAUSMAN, Assistant Professor of Clinical Neurology.
AARON BELL, Instructor in Clinical Neurology.
PETER G. DENKER, Instructor in Clinical Neurology.
ALFRED H. EHRENCLOU, Instructor in Clinical Neurology.
ABRAHAM KAPLAN, Instructor in Clinical Neurology.
DOROTHY KLENKE, Instructor in Clinical Neurology.
OLGA KNOPF, Instructor in Clinical Neurology.
JOHN E. SCARFF, Instructor in Clinical Neurology.
WILFRED D. WINGEBACH, Instructor in Clinical Neurology.
S. BERNARD WORTIS, Instructor in Clinical Neurology.

DERMATOLOGY

HANS J. SCHWARTZ, Professor of Clinical Medicine.
J. FRANK FRASER, Assistant Professor of Clinical Medicine.
FIELDING L. TAYLOR, Associate in Clinical Medicine.
RAY H. RULISON, Associate in Clinical Medicine.
WILLIAM M. ARCHER, Instructor in Clinical Medicine.
ANDREW J. GILMOUR, Instructor in Clinical Medicine.
JOHN H. HARRIS, Instructor in Clinical Medicine.
ARTHUR F. KRAETZER, Instructor in Clinical Medicine.
GEORGE M. LEWIS, Instructor in Clinical Medicine.
JULIA V. LICHTENSTEIN, Instructor in Clinical Medicine.
HENRY D. NILES, Instructor in Clinical Medicine.
MABEL G. SILVERBERG, Instructor in Clinical Medicine.

GENERAL MEDICINE

Students begin their course in medicine in the second and third trimesters of the second year with a course in physical diagnosis under Dr. Stewart. They are introduced to this subject by means of lectures, demonstrations and practical work on normal subjects and patients. In the third trimester they spend two mornings a week with the patients either on the wards or in the out-patient department. Their afternoons are devoted to the course in clinical pathology given by Dr. William J. Elser, Professor of Applied Pathology and Bacteriology.

During the first quarter of the third year, lectures, clinics and practical demonstrations are given to the entire class in dermatology and

syphilis, neuropathology and neurology. In each of the remaining three-quarters of the year one-third of the class will spend all of its time on the wards as clinical clerks in medicine.

The medical service at the New York Hospital under the supervision of Dr. DuBois comprises four public wards totalling 109 beds. The service includes patients with diseases of the nervous system and of the skin. These are under the care of sub-departments which are organized for teaching and clinical research as well as the care of patients. They are, therefore, analogous to independent departments of dermatology and neurology as seen in other hospitals. The other sub-departments are on the same basis. These are circulation, hematology, infections, and metabolism. All of these have beds at their disposal although the majority of patients are assigned to the general service rather than to any one sub-division. An active pulmonary service has been organized in close cooperation with the surgical service. In addition, facilities are available for the treatment of contagious diseases, such as the exanthemata, and are being used to an increasing extent.

The backbone of the student's training as a clinical clerk is believed to be his own experience with patients as amplified by reading and by contact with members of the hospital and teaching staff. He is given as much responsibility as practical, namely the recording in the hospital records of his own histories and laboratory examinations. These together with his physical examinations are supervised by the house staff. Additional teaching consists in daily teaching rounds with the visiting staff and more formal conferences once a week in which the clerks present cases for criticism and discussion. In these it is attempted to cover the more important fields of internal medicine. The work of the clerkships is supplemented by the clinics, pathological conferences and seminars which are held throughout the academic year.

Students are allowed to elect a clerkship at Bellevue Hospital under Dr. Spencer instead of the above. The number is limited to eight clerks per quarter. The methods of teaching are much the same as at New York Hospital and emphasis is placed on the firm grounding of students in the fundamental facts of the main sub-divisions of internal medicine. In addition to clinical, laboratory and autopsy facilities, text-books, collateral reading, bedside clinics and pathological conferences are employed. By these means the various systems of the body are studied with an ordered approach. The more important therapeutic measures are also discussed. Time is reserved to each student for the study of selected cases.

The senior students will be divided into four groups, each of which will devote one-quarter of the college year to general medicine and the medical specialties. They will spend the quarter under the direction of Dr. Reznikoff in the out-patient department of the New York Hospital, where they will be assigned in small groups to sections in general medicine and clinics devoted to special studies such as neurology, dermatology and syphilis, diabetes, gastro-intestinal diseases, diseases of the circulatory system, diseases of the lungs, endocrine conditions,

hematology, arthritis and allergy. Other special departments of the clinic will be open to the fourth year clerks. The practical work with the patients will be supplemented by seminars, clinics, lectures, demonstrations and weekly presentations of subjects by the students themselves. This clerkship can be taken during the summer months by a limited number of students. Modification of the course may be made to suit individual requirements.

Amphitheatre clinics will be held each week during the academic year. These will be given separately to third and fourth year students to conform to their respective stage of development. In place of some clinics, seminars will be offered to each class. These will be given to relatively small groups and the student will have a choice of instructors. The object is to supplement the clerkships by the presentation of the important phases of medicine, and particularly to stimulate individual reading and discussion. Clinical-pathological conferences organized by the Department of Pathology in conjunction with the clinical departments occur weekly throughout the year.

ELECTIVE COURSES

During the summer months students will be given the opportunity of taking their third and fourth year clerkships at the New York Hospital. By so doing they may anticipate the work of the following year and spend the equivalent time in elective work.

Each month one-eighth of the fourth year class will be free for elective work. A variety of courses is available to these students. In many instances more than one course is offered on a single subject so that the student may make a choice of instructors. Opportunities will be given in the special clinics devoted to diseases of the circulatory system, lungs, metabolism, internal secretions, neurology, syphilis and dermatology, hematology, arthritis, allergy, and gastro-intestinal disorders. Electives in general medicine and its subdivisions are offered at Bellevue Hospital during the academic year only, and at New York Hospital only during the summer. Arrangements are made for special work in tuberculosis under Dr. Bray at the New York State Hospital for Incipient Tuberculosis. This includes elective courses during the academic year and internships during the summer.

Students who wish to do research, either in the wards or in the laboratories, or who have problems in which they are interested, will be given every encouragement within the limits of the time at their disposal.

As mentioned above, diseases of the nervous system are organized under the department of medicine and are included in the electives as well as in the medical clerkship. In addition the following is available:

NEUROLOGY: The Neurological Service at Bellevue Hospital under Dr. Foster Kennedy offers unusual opportunities for clinical study and special investigation. It consists of male and female wards for the study of medical and surgical neurology. In addition, the laboratory for experimental neurology under the direction of Dr. Wortis, and the labora-

tory for neuropathology under the direction of Dr. Stevenson, are integrated with the medical and surgical work. All these services are available for the instruction of graduate and undergraduate students.

OBSTETRICS AND GYNECOLOGY

- HENRICUS J. STANDER, Professor of Obstetrics and Gynecology.
HERBERT F. TRAUT, Associate Professor of Obstetrics and Gynecology.
JAMES A. HARRAR, Associate Professor of Clinical Obstetrics and Gynecology.
R. GORDON DOUGLAS, Assistant Professor of Obstetrics and Gynecology.
C. FREDERIC JELLINGHAUS, Assistant Professor of Clinical Obstetrics and Gynecology.
HERVEY C. WILLIAMSON, Assistant Professor of Clinical Obstetrics and Gynecology.
LUCIUS A. WING, Assistant Professor of Clinical Obstetrics and Gynecology.
JOHN F. McGRATH, Assistant Professor of Clinical Obstetrics and Gynecology.
BYRON H. GOFF, Assistant Professor of Clinical Obstetrics and Gynecology.
JAMES B. GULICK, Instructor in Obstetrics and Gynecology.
KATHERINE KUDER, Instructor in Obstetrics and Gynecology.
ANDREW A. MARCHETTI, Instructor in Obstetrics and Gynecology.
JOHN B. PASTORE, Instructor in Obstetrics and Gynecology.
OGDEN F. CONKEY, Instructor in Clinical Obstetrics and Gynecology.
EDWARD H. DENNEN, Instructor in Clinical Obstetrics and Gynecology.
LYNN L. FULKERSON, Instructor in Clinical Obstetrics and Gynecology.
ARTHUR V. GREELEY, Instructor in Clinical Obstetrics and Gynecology.
WILLIAM H. HAWKINS, Instructor in Clinical Obstetrics and Gynecology.
HOWARD S. McCANDLISH, Instructor in Clinical Obstetrics and Gynecology.
CHARLES M. McLANE, Instructor in Clinical Obstetrics and Gynecology.
JOSEPH N. NATHANSON, Instructor in Clinical Obstetrics and Gynecology.
MEYER ROSENSOHN, Instructor in Clinical Obstetrics and Gynecology.
KYLE B. STEELE, Instructor in Clinical Obstetrics and Gynecology.
ROSS E. ANDERSON, Assistant in Obstetrics and Gynecology.
RALPH W. GAUSE, Assistant in Obstetrics and Gynecology.
DONALD R. NELSON, Assistant in Obstetrics and Gynecology.
FLOYD S. ROGERS, Assistant in Obstetrics and Gynecology.
CLOYCE R. TEW, Assistant in Obstetrics and Gynecology.
ROBERT L. CRAIG, Assistant in Clinical Obstetrics and Gynecology.
OSCAR GLASSMAN, Assistant in Clinical Obstetrics and Gynecology.
JOHN A. O'REGAN, Assistant in Clinical Obstetrics and Gynecology.
NELSON B. SACKETT, Assistant in Clinical Obstetrics and Gynecology.

JACOB T. SHERMAN, Assistant in Clinical Obstetrics and Gynecology.
FRANK R. SMITH, Assistant in Clinical Obstetrics and Gynecology.
CHARLES T. SNYDER, Assistant in Clinical Obstetrics and Gynecology.

GENERAL STATEMENT

FACILITIES: The Woman's Clinic of the New York Hospital provides 164 beds for teaching purposes in obstetrics and gynecology. The students are given practical instruction in the delivery and operating rooms, as well as on the wards, where they serve as clinical clerks. In addition they work in the out-patient department clinics of gynecology, obstetrics, cystoscopy, and sterility.

An outdoor delivery service is conducted in conjunction with the Woman's Clinic. The facilities of the John E. Berwind Free Maternity Clinic afford an unusual opportunity for students to conduct home deliveries under careful supervision by the attending and resident staff. There are approximately 100 deliveries a month on this service.

The total obstetrical service, hospital and home, cares for approximately 3700 confinements a year, while the gynecological section admits about 700 patients annually.

I. THIRD YEAR

COURSE 1. THE THEORY AND PRINCIPLES OF OBSTETRICS AND GYNECOLOGY. This course consists of lectures and demonstrations covering the anatomy and physiology of the female reproductive system; the physiology and pathology of pregnancy, labor, and puerperium; and the etiology, pathology, and diagnosis of the diseases of the pelvic structures.

Wednesday and Friday, 2-3 P. M.; first, second, and third quarters, to the whole class. Professors STANDER, TRAUT, HARRAR, WILLIAMSON, and DOUGLAS.

COURSE 2. PRACTICAL INSTRUCTION. The courses offered are (a) palpation; (b) pelvic examination; (c) manikin exercises; (d) obstetrical and gynecological pathology; (e) obstetrical and gynecological bacteriology and isolation technic; (f) demonstrations; (g) dispensary clinics.

To one-third of the class, instruction will be given every morning from 9-12, except Saturday, throughout one quarter.

COURSE 3. WARD ROUNDS. Monday, Wednesday, Friday, 9-10 A. M. Professor STANDER and staff.

COURSE 4. OBSTETRICAL AND GYNECOLOGICAL CLINICS. Tuesdays, 12-1 P. M., throughout the year. Professors STANDER, WARD, HARRAR, JELLINGHAUS, WILLIAMSON, McGRATH, TRAUT, and DOUGLAS.

Total hours, 200.

II. FOURTH YEAR

COURSE 1. OBSTETRICAL AND GYNECOLOGICAL CLINICS. Tuesday, 12-1 P. M., throughout the year, together with the third year class.

Course 2. MAJOR PRACTICAL OBSTETRICS AND GYNECOLOGY. This course comprises practical work in obstetrics and gynecology and is the sequel to the theoretical instruction offered to the third year students. Each student will live in the Woman's Clinic and the Berwind Clinic for a period of two months, during which time he will act as a clinical assistant in the obstetrical and gynecological departments, hospital wards, and delivery and operating rooms. He will be provided with sleeping accommodations, but not with board.

The practical work includes the prenatal care of many patients, attending them in labor, their delivery, as well as following them throughout the course of the puerperium. Facilities will also be provided for the student to examine gynecological patients, and to follow these patients through diagnostic and therapeutic procedures.

Two months' residence throughout the quarter. Minimum, 365 hours. Because of the nature of the service, night and holiday work is required.

ELECTIVE COURSES

Course 1. PRACTICAL OBSTETRICS AND GYNECOLOGY. A certain number of students will be accepted for periods of one month to serve as assistants in the clinic.

Course 2. To a limited number of students elective research courses will be offered in the chemical, pathological, and bacteriological laboratories of the department throughout the year.

PEDIATRICS

SAMUEL Z. LEVINE, Acting Professor of Pediatrics.
 OSCAR M. SCHLOSS, Professor of Clinical Pediatrics.
 LYNNE A. HOAG, Associate Professor of Pediatrics.*
 JESSE F. SAMMIS, Assistant Professor of Clinical Pediatrics.
 LOUIS C. SCHROEDER, Assistant Professor of Clinical Pediatrics.
 PHILIP M. STIMSON, Assistant Professor of Clinical Pediatrics.
 MAY G. WILSON, Assistant Professor of Clinical Pediatrics.
 MILTON J. SENN, Associate in Pediatrics.
 ARTHUR F. ANDERSON, Associate in Clinical Pediatrics.
 ROBERT O. DuBOIS, Associate in Clinical Pediatrics.
 CARL H. SMITH, Associate in Clinical Pediatrics.
 PARKER DOOLEY, Instructor in Pediatrics.
 HARRY GORDON, Instructor in Pediatrics.
 EDMUND N. JOYNER, Instructor in Pediatrics.
 VERNON W. LIPPARD, Instructor in Pediatrics.
 WILLIAM SCHMIDT, Instructor in Pediatrics.
 MARJORIE A. WHEATLEY, Instructor in Pediatrics.
 HAROLD B. ADAMS, Instructor in Clinical Pediatrics.
 M. BERNARD BRAHDY, Instructor in Clinical Pediatrics.
 CLEMENT B. P. COBB, Instructor in Clinical Pediatrics.

*Absent on leave, 1934-35.

HELEN HARRINGTON, Instructor in Clinical Pediatrics.
 FREDERICK C. HUNT, Instructor in Clinical Pediatrics.
 HEDWIG KOENIG, Instructor in Clinical Pediatrics.
 MILTON I. LEVINE, Instructor in Clinical Pediatrics.
 CHARLES H. O'REGAN, Instructor in Clinical Pediatrics.
 T. DURLAND VAN ORDEN, Instructor in Clinical Pediatrics.
 THOMAS E. WALDIE, Instructor in Clinical Pediatrics.
 CARL E. WEIGELE, Instructor in Clinical Pediatrics.
 CHARLES J. BAKER, Assistant in Pediatrics.
 LEONA BAUMGARTNER, Assistant in Pediatrics.
 GLADYS J. FASHENA, Assistant in Pediatrics.
 JOHN E. FRANKLIN, Assistant in Pediatrics.
 BETTY HUSE, Assistant in Pediatrics.
 ELEANOR MARPLES, Research Assistant in Pediatrics.
 BENJAMIN McL. SPOCK, Assistant in Pediatrics.

SECOND YEAR. During the last six weeks of the third trimester a course will be given on the principles of nutrition and the art of infant feeding. Total hours, 12.

THIRD YEAR. A clinical lecture once a week throughout the entire school year, presents cases illustrating diseases peculiar to early life. Groups of students are assigned to the wards where they are given instruction in diagnosis and treatment. Instruction in contagious diseases is given at the Willard Parker Hospital. Total hours, 128.

FOURTH YEAR. Groups of students are on duty in the out-patient department. Here they gain experience in history taking, physical examination, and treatment. Total hours, 76.

ELECTIVE COURSES

Elective students serve as clinical clerks on the wards and are on duty continuously for a period of one month.

PSYCHIATRY

_____, Professor of Psychiatry.
 MORTIMER W. RAYNOR, Professor of Clinical Psychiatry.
 GEORGE H. KIRBY, Professor of Clinical Psychiatry.
 PHYLLIS GREENACRE, Professor of Clinical Psychiatry.
 GEORGE W. HENRY, Associate Professor of Psychiatry.
 HARRY M. TIEBOUT, Associate Professor of Clinical Psychiatry.
 SMILEY BLANTON, Assistant Professor of Clinical Psychiatry.
 CARL A. BINGER, Assistant Professor of Clinical Medicine.
 CHARLES D. RYAN, Instructor in Psychiatry.
 WILLIAM H. DUNN, Instructor in Psychiatry.
 NORVELLE C. LAMAR, Instructor in Psychiatry.
 B. MILDRED EVANS, Instructor in Psychiatry.
 JOEL M. HILL, Instructor in Psychiatry.
 BURTRUM C. SCHIELE, Instructor in Psychiatry.
 MICHAEL P. LONERGAN, Instructor in Clinical Psychiatry.

EDWARD B. ALLEN, Instructor in Clinical Psychiatry.
MURIEL IVIMEY, Instructor in Clinical Psychiatry.
GERALD R. JAMEISON, Instructor in Clinical Psychiatry.
ELIZABETH KILPATRICK, Instructor in Clinical Psychiatry.
LESLIE E. LUEHRS, Instructor in Clinical Psychiatry.
MARTHA WILSON MACDONALD, Instructor in Clinical Pediatrics.
ARTHUR M. PHILLIPS, Instructor in Clinical Psychiatry.
GEORGE S. SPRAGUE, Instructor in Clinical Psychiatry.
HANS SYZ, Instructor in Clinical Psychiatry.
JAMES H. WALL, Instructor in Clinical Psychiatry.
ALEXANDER R. MARTIN, Assistant in Psychiatry.
HERBERT S. RIPLEY, Assistant in Psychiatry.
RALPH R. HARLOW, Assistant in Clinical Psychiatry.
CHARLOTTE MUNN, Assistant in Clinical Psychiatry.
BETTINA WARBURG, Assistant in Clinical Psychiatry.
JOHN A. P. MILLET, Fellow in Psychiatry.

Instruction in the Department of Psychiatry is given in each of the four college years. In the first year a course of 22 hours is devoted to psychobiology. This course aims to furnish the student with a fundamental appreciation of the normal personality. Particular attention is given to those aspects of the personality which any physician must comprehend for a well rounded understanding of his patients.

A course of 11 hours in psychopathology is given in the second year. This course seeks to familiarize the student with the various ways in which mal-adjustment may come about. Emphasis is laid upon the origin and meaning of adjustmental disturbances rather than upon the grouping of these disturbances into clinical syndromes. Especial attention is given to borderline manifestations and to peculiarities of behavior seen in patients sick with somatic disorder or disease. This course is intended to give the student a broad conception of deviations of behavior and personality as well as to provide him with an introduction to psychiatry. Instruction in methods of examination and of history taking is included.

In the third year each student receives 71 hours clinical instruction. This is given in part in the in-patient department of the Payne Whitney Psychiatric Clinic, a recently established psychiatric hospital of 110 beds which forms one unit of the New York Hospital; in part instruction is given on the medical wards of the New York Hospital where a wide variety of minor personality disturbances are to be seen. Some instruction is afforded at the Bloomingdale Hospital, White Plains, New York, a private psychiatric hospital which is a part of the Society of the New York Hospital. Twelve hours of clinical instruction are also given in the Manhattan State Hospital, Ward's Island, New York. Here are demonstrated cases representing the most common as well as the unusual forms of mental illness selected from the extensive clinical service of this hospital. In addition this course includes eight hours instruction concerning intellectual and emotional growth in children.

During the fourth year, 93 hours of clinical instruction are given chiefly in the out-patient department of the Payne Whitney Psychiatric Clinic. Here each instructor devotes himself to a single student who serves as far as may be as an assistant. The student is required to observe and to take part in a type of psychiatric practice similar to that carried on in private practice. Cases in the Manhattan State Hospital are also assigned to students for independent study and report. In addition to these 93 hours of clinical instruction, a special clinical demonstration with conference discussion is held for the fourth year students each week through the year. Elective courses in psychiatry are provided for undergraduates during the fourth year.

Graduate instruction calculated to meet the need of the individual student is also offered.

SURGERY

GEORGE J. HEUER, Professor of Surgery.

JOSHUA E. SWEET, Professor of Experimental Surgery.

N. CHANDLER FOOT, Professor of Surgical Pathology.

CHARLES E. FARR, Professor of Clinical Surgery.

JOHN A. HARTWELL, Professor of Clinical Surgery.

HENRY H. M. LYLE, Professor of Clinical Surgery.

EUGENE H. POOL, Professor of Clinical Surgery.

POL N. CORYLLOS, Professor of Clinical Surgery.

WILLIAM DEW. ANDRUS, Associate Professor of Surgery.

RALPH F. BOWERS, Assistant Professor of Surgery.

RICHARD H. MEAGHER, Assistant Professor of Surgery.

FRANK E. ADAIR, Assistant Professor of Clinical Surgery.

SEWARD ERDMAN, Assistant Professor of Clinical Surgery.

GUILFORD S. DUDLEY, Assistant Professor of Clinical Surgery.

JOHN C. A. GERSTER, Assistant Professor of Clinical Surgery.

GEORGE T. PACK, Assistant Professor of Clinical Surgery.

RUSSEL H. PATTERSON, Assistant Professor of Clinical Surgery.

MORRIS K. SMITH, Assistant Professor of Clinical Surgery.

JOHN A. VIETOR, Assistant Professor of Clinical Surgery.

J. HERBERT CONWAY, Instructor in Surgery.

JOHN W. DRAPER, Instructor in Surgery.

FRANK N. GLENN, Instructor in Surgery.

CRANSTON W. HOLMAN, Instructor in Surgery.

BRONSON S. RAY, Instructor in Surgery.

HERBERT BERGAMINI, Instructor in Clinical Surgery.

JACOB BUCKSTEIN, Instructor in Clinical Radiology.

HENRY S. F. COOPER, Instructor in Clinical Surgery.

NELSON W. CORNELL, Instructor in Clinical Surgery.

PAUL A. DINEEN, Instructor in Clinical Surgery.

WADE DULEY, Instructor in Clinical Surgery.

JOHN H. GARLOCK, Instructor in Clinical Surgery.

JOSEPH E. J. KING, Instructor in Clinical Surgery.

FRANK J. MCGOWAN, Instructor in Clinical Surgery.

EDWARD W. SAUNDERS, Instructor in Clinical Surgery, and Given Fellow in Surgical Research.
 RUFUS E. STETSON, Instructor in Clinical Surgery.
 JOHN E. SUTTON, JR., Instructor in Clinical Surgery.
 PRESTON A. WADE, Instructor in Clinical Surgery.
 W. MORRIS WEEDEN, Instructor in Clinical Surgery.
 ROBERT A. WISE, Instructor in Clinical Surgery.
 FRANK C. YEOMANS, Instructor in Clinical Surgery.
 COURTNEY C. BISHOP, Assistant in Surgery.
 CHARLES G. CHILD, Assistant in Surgery.
 MARY COOPER, Assistant in Surgery.
 WILLIAM A. COOPER, Assistant in Surgery.
 EDWARD W. DOUGLAS, Assistant in Surgery.
 JOHN H. ECKEL, Assistant in Surgery.
 ADRIAN A. EHLE, Assistant in Surgery.
 CUYLER Y. HAUCH, Assistant in Surgery.
 GUSTAVUS A. HUMPHREYS, Assistant in Surgery.
 EDMUND G. LAIRD, Assistant in Surgery.
 ANDREW F. MCBRIDE, Assistant in Surgery.
 SAMUEL W. MOORE, Assistant in Surgery.
 WILLIAM F. NICKEL, Assistant in Surgery.
 CLINTON P. O'CONNELL, Assistant in Surgery.
 JOHN B. OGILVIE, Assistant in Surgery.
 FLORENCE WEST, Assistant in Surgery.
 ROSE ANDRÉ, Assistant in Clinical Surgery.
 JOHN S. DAVIS, Assistant in Clinical Surgery.
 ROBERT K. FELTER, Assistant in Clinical Surgery.
 ELLA M. HEDIGER, Assistant in Clinical Surgery.
 D. REES JENSEN, Assistant in Clinical Surgery.

OPHTHALMOLOGY

BERNARD SAMUELS, Professor of Clinical Surgery.
 MILTON L. BERLINER, Assistant Professor of Clinical Surgery.
 CHARLES A. DRAKE, Instructor in Clinical Surgery.

ORTHOPEDIC SURGERY

IRVIN BALENSWEIG, Assistant Professor of Clinical Surgery.
 KRISTIAN G. HANSSON, Instructor in Clinical Surgery.
 CHARLES L. PLUNKETT, Instructor in Clinical Surgery.

OTOLARYNGOLOGY

ARTHUR PALMER, Assistant Professor of Clinical Surgery; Acting Head, Department of Otolaryngology.
 GERVAIS W. MCAULIFFE, Assistant Professor of Clinical Surgery.
 JACOB APPLEBAUM, Instructor in Clinical Surgery.
 EMMETT C. FITCH, Instructor in Clinical Surgery.
 THOMAS J. GARRICK, Instructor in Clinical Surgery.
 S. FARRAR KELLEY, Instructor in Clinical Surgery.

JAMES O. MACDONALD, Instructor in Clinical Surgery.
EDGAR M. POPE, Instructor in Clinical Surgery.
WILLIAM B. ALLAN, Assistant in Clinical Surgery.
WILLIAM H. AYRES, Assistant in Clinical Surgery.
ANNE S. BELCHER, Assistant in Clinical Surgery.
HERBERT GRAEBNER, Assistant in Clinical Surgery.
ALBERT G. RAPP, Assistant in Clinical Surgery.
FERNAND VISTREICH, Assistant in Clinical Surgery.

UROLOGY

EDWARD L. KEYES, Professor of Clinical Surgery.
ALEXANDER R. STEVENS, Associate Professor of Clinical Surgery.
HOWARD S. JECK, Assistant Professor of Clinical Surgery.
RUSSELL S. FERGUSON, Assistant Professor of Clinical Surgery.
BENJAMIN S. BARRINGER, Instructor in Clinical Surgery.
MARIO D. F. BLASUCCI, Instructor in Clinical Surgery.
ARCHIE L. DEAN, JR., Instructor in Clinical Surgery.
WILLIAM R. DELZELL, Instructor in Clinical Surgery.
ROBERT S. HOTCHKISS, Instructor in Clinical Surgery.
ANNE E. KÜHNER, Instructor in Clinical Surgery.
ALLISTER M. McLELLAN, Instructor in Clinical Surgery.
WENDELL J. WASHBURN, Instructor in Clinical Surgery.

GENERAL SURGERY

I. THIRD YEAR. The teaching of surgery begins in the first quarter of the third year during which time the students have formal exercises in surgical pathology and the surgical specialties as an introduction to ward work in general surgery, urology, orthopedics, ophthalmology and otolaryngology. During this quarter the entire class attends a course illustrating the principles of operative surgery. This consists of a series of exercises carried out by the students upon living animals, emphasizing surgical cleanliness, aseptic technic, the control of hemorrhage, the healing of wounds, anaesthesia, etc. The exercises are supplemented by reading, conferences, and pathological demonstrations.

In the following three quarters each third of the class in rotation spends one quarter in the surgical wards in the capacity of clinical clerks. During this period the student gains experience in history taking, physical examination and routine laboratory examinations, and is brought into contact with patients with general surgical, urological, orthopedic, ophthalmological and otolaryngological conditions. The routine teaching consists of ward visits in general surgery and the surgical specialties, together with assigned reading and conferences. In this teaching the facilities of Second Surgical Division, Bellevue Hospital, St. Luke's, Memorial, and other special hospitals are utilized, in addition to those of the New York Hospital. Total hours, 438 including surgical pathology (36) and surgical specialties.

II. **FOURTH YEAR.** Each student spends one quarter in the out-patient department of the surgical service and the allied specialties. The morning hours are devoted to the surgical clinic and the afternoon hours to the special clinics of urology, orthopedics, ophthalmology and otolaryngology, with the exception of a two-week period during which the student is assigned to the operating room and is given intensive instruction in anaesthesia. During this quarter the student is also expected to follow in the wards of the hospital those patients admitted from the out-patient department. The routine teaching consists of conferences, clinics, and assigned reading.

A surgical clinic is held one day a week at the noon hour for the students of the third and fourth years. Total hours, 306.

OPHTHALMOLOGY

During the third trimester of the second year the entire class is given laboratory instruction in the microscopy of the eye by Dr. SAMUELS. In addition to normal histology, the pathology of such important diseases as uveitis, glaucoma, intra-ocular tumors, tuberculosis, injuries and simple ophthalmia are covered. During the first quarter of the third year also the entire class receives a series of formal exercises in ophthalmology as a further introduction to their clinical work supplemented by exercises on the wards and in the out-patient department.

During the fourth year the student is assigned for a period of time to the ophthalmological out-patient department and in addition has the opportunity of taking further work in this subject during his elective period.

ORTHOPEDIC SURGERY

During the first quarter of the third year there are a number of formal exercises in this subject, which serve as an introduction to the clinical work. These are supplemented by the presentation of interesting cases on the wards and in the out-patient department during the remainder of the third and fourth years.

OTOLARYNGOLOGY

In the first quarter of the third year students receive instruction in the examination of the ear, nose, and throat. Anatomy of the head is reviewed and exercises in instrumentation are given. Clinical lectures, illustrated by lantern slides and by the presentation of cases, are also given during this period. In addition the student is assigned for a period to the otolaryngological out-patient department and has the opportunity to spend further time in this subject during his elective term.

UROLOGY

A number of clinical lectures in this subject are given during the first quarter of the third year, and during the remainder of this and the

following year the work is supplemented by the presentation of cases in the wards and the out-patient department.

In the fourth year the student is assigned for a period to the urological out-patient department, and has further opportunity to pursue this subject during the elective period.

ELECTIVE COURSES

Courses are offered in advanced general surgery, surgical pathology, experimental surgery, neuro-surgery, thoracic surgery, and in the specialties of surgery; urology, orthopedics, ophthalmology and otolaryngology. Elective work combined with medicine is also offered in special clinics in the out-patient department. More detailed information regarding these electives may be had by consulting the head of the surgical department.

COURSE OFFERED TO SPECIAL STUDENTS

A special course in surgery based upon the resident system is offered to a limited number of physicians who are graduates of approved medical schools and who have completed one year's internship or its equivalent in an approved hospital. Detailed information regarding this course will be furnished on request by the head of the surgical department.

PUBLIC HEALTH AND PREVENTIVE MEDICINE

JOHN C. TORREY, Professor of Epidemiology and Acting Head of the Department of Public Health and Preventive Medicine.

MORTON C. KAHN, Associate Professor of Public Health and Preventive Medicine.

WALTER C. KLOTZ, Assistant Professor of Public Health and Preventive Medicine.

RALPH W. NAUSS, Instructor in Public Health and Preventive Medicine.

THOMAS T. MACKIE, Research Associate in Public Health and Preventive Medicine.

ELIZABETH MONTU, Research Assistant in Public Health and Preventive Medicine.

Note: Not given in second year 1935-1936. To be given in third year 1936-1937.

This course deals with the fundamental factors concerned in the origin, increase and control of communicable and non-communicable diseases. It is intended to familiarize the student with the opportunities for disease prevention through public health organizations and in private practice, both in urban and rural communities. Among the subjects discussed in a series of lectures are environmental control, sources and modes of infection, specific and non-specific prophylaxis, vital statistics and public health administration. Many of these subjects are illustrated by laboratory and field demonstrations.

In the fourth year the opportunities for preventive medicine by medical practitioners are discussed in a series of lectures. 23 hours.

Instruction in the clinical aspects of preventive medicine is also given in connection with the courses in medicine, surgery, obstetrics, pediatrics, and the specialties.

ELECTIVE COURSES

Course 1. **EPIDEMIOLOGY.** A study of the factors and principles concerned in the origin, spread and abatement of the more important communicable diseases as illustrated by past and, when possible, current outbreaks. Collection of epidemiological data and statistical analyses. Conferences. Hours to be arranged.

Course 2. **MEDICAL ZOOLOGY AND PARASITOLOGY.** This course is intended to supplement and extend the required work in this field. Diagnosis, life histories of parasites and their vectors, and control measures are considered. Laboratory work and conferences. Hours to be arranged.

RADIOLOGY

HARRY M. IMBODEN, Professor of Clinical Radiology.

JOHN R. CARTY, Associate Professor of Radiology.

SYDNEY WEINTRAUB, Assistant Professor of Clinical Radiology.

E. FORREST MERRILL, Instructor in Clinical Radiology.

IRVING SCHWARTZ, Instructor in Clinical Radiology.

STEPHEN WHITE, Instructor in Clinical Radiology.

RADIOLOGY AND RADIOTHERAPY

This course is planned to give an introduction to the fundamentals of radiology in order that the student may more intelligently utilize this aid to diagnosis and therapy. The course consists of didactic lectures and section work. Emphasis is laid on instruction given in connection with the clinical findings. New methods in diagnosis and therapy are discussed, and the limitations and scope of the particular method stressed.

The lectures begin with a consideration of the principles of the physics involved, followed by a discussion of the findings in the various systems on the fluoroscopic screen and film.

Radiotherapy will be discussed, particularly the indications for and limitations of this method of treatment in various pathological conditions. Special emphasis is laid on the use of x-ray therapy as a diagnostic measure. Attention will also be paid to the use of x-ray therapy in non-malignant conditions.

LEGAL MEDICINE

An elective course in legal medicine is scheduled during the fourth quarter of the medical college course. The course covers autopsy technique in medico-legal cases, the autopsy protocol, and laboratory methods for establishing the proof of the cause of death in cases of accident, suicide, and homicide; it deals with the forensic aspect of the subject in cases of indemnity, liability, and criminal prosecution. The course consists of a series of lectures given by Dr. Milton Helpert of the Department of Medicine and Dr. Jacob Werne of the Department of Pathology.

A second elective course, presenting the opportunity for study of pathological material of medico-legal cases is offered by Dr. Milton Helpert in connection with his service in the Medical Examiner's Office of the Borough of Manhattan and is held at the City Mortuary, Bellevue Hospital.

FIRST YEAR SCHEDULE

FIRST TRIMESTER

SEPT. 30-DEC. 21

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Anatomy	Anatomy	Anatomy	Anatomy	Anatomy	Anatomy
10-11						
11-12						
12-1		Biochemistry		Biochemistry	Biochemistry	
2-3	Histology	Anatomy	Free	Biochemistry	Histology	
3-4				(Spec. Lect.)		
4-5						

SECOND TRIMESTER

JAN. 3-MARCH 19

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Histology	Anatomy	Histology	Anatomy	Histology	Anatomy
10-11						
11-12						
12-1		Biochemistry		Biochemistry		Biochemistry
2-3	Anatomy	Biochemistry	Free	Biochemistry (Spec. Lect.)	Anatomy	
3-4						
4-5						

THIRD TRIMESTER

MAR. 20-JUNE 6

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Biochemistry	Neuro-anatomy	Biochemistry	Psychobiology	Free	Neuro-anatomy
10-11				Neuro-anatomy	Biochemistry	
11-12		Physiology		Physiology		
12-1	Psychobiology	Physiology	Free	Physiology	Physiology	Physiology
2-3						
3-4						
4-5	Library** Lecture				(Spec. Lect.)	

*Elective. () When scheduled.

**Three lectures only.

SECOND YEAR SCHEDULE

FIRST TRIMESTER

SEPT. 30-DEC. 21

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Pharmacology	Physiology	Pharmacology	Pharmacology	Pharmacology	Physiology
10-11						
11-12					Physiology	
12-1			Free			
1-2						
2-3	Bacteriology				Bacteriology	
3-4				Bacteriology		
4-5					(Spec. Lect.)	

SECOND TRIMESTER

JAN. 3-MARCH 19

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Pathology	Pathology	Pathology	Pathology	Pathology	Pathology
10-11						
11-12						
12-1						
2-3	Physical Diagnosis	Bacteriology	Free	Bacteriology	Physical Diagnosis	
3-4						
4-5				(Spec. Lect.)		

(Tentative)

THIRD TRIMESTER

MARCH 20-JUNE 6

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Phys. Diag. Sect. "B"	Pathology*	Phys. Diag. Sect. "B"	Phys. Diag. Sect. "A"	Pathology*	Phys. Diag. Sect. "A"
10-11						
11-12						
12-1		Pediatrics**			Pediatrics**	Psychopathology
1-2	Clinical Pathology	Clinical Pathology	Free	Clinical Pathology	Clinical Pathology	
2-3						
3-4						
4-5	Ophthalmology			(Spec. Lect.)	Ophth. Path.	

*Pathology, 9-1, first five weeks.

**Neuropathology, 9-12 } next six weeks.

Pediatrics, 12-1 }

() When scheduled.

†1 hour only: 11-12.

THIRD YEAR SCHEDULE

FIRST QUARTER

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Neuropathology** 4 weeks Surgical Pathology 4 weeks	Operative Surgery	Neuropathology** 4 weeks Surgical Pathology 4 weeks	Pediatrics Infant Feeding	Neuropathology** 4 weeks Surgical Pathology 4 weeks	Urology
10-11						
11-12						
12-1	Medicine	Ob. and Gyn.	Pediatrics	Medicine	Surgery	
2-3	Dermatology	Ophthalmology	Ob. and Gyn.*	Otolaryngology	Ob. and Gyn.*	
3-4			Radiology		Orthopedics	
4-5		Ophthalmological Pathology		(Spec. Lect.)		

SECOND, THIRD, FOURTH QUARTERS

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Group A: Medicine (1), Obstetrics, Pediatrics, Psychiatry (2), Surgery (3). Group B: Surgery (1), Medicine (2), Obstetrics, Pediatrics, Psychiatry (3). Group C: Obstetrics, Pediatrics, Psychiatry (1), Surgery (2), Medicine (3).					
10-11						
11-12						
12-1	Medicine	Ob. and Gyn.	Pediatrics	Medicine	Surgery	
2-3			Ob. and Gyn.*		Ob. and Gyn.*	
3-4	Groups As Above					
4-5				(Spec. Lect.)		

*First, second and third quarters only.

**During this period two hours will be devoted to neuropathology, and one hour to clinical neurology.

() When scheduled.

FOURTH YEAR SCHEDULE

1935-1936

QUARTER SCHEDULE

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Group A: Surgery (1), Pediatrics, Psychiatry, Elective (2), Medicine (3), Ob. and Gyn. (4). Group B: Medicine (1), Ob. and Gyn. (2), Surgery (3), Pediatrics, Psychiatry, Elective (4). Group C: Pediatrics, Psychiatry, Elective (1), Medicine (2), Ob. and Gyn. (3), Surgery (4). Group D: Ob. and Gyn., (1), Surgery (2), Pediatrics, Psychiatry, Elective (3), Medicine (4).					
10-11						
11-12						
12-1	Medicine	Ob. and Gyn.	Psychiatry	Medicine	Surgery	Pb. Health
2-3						
3-4	<div>Clinical Pathological Conference†</div>					
4-5						
				(Spec. Lect.)		

DETAILED SCHEDULE : PEDIATRICS AND PSYCHIATRY

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Pediatrics		Psychiatry	Pediatrics		
10-11						
11-12						
12-1	Medicine	Ob. and Gyn.	Psychiatry	Medicine	Surgery	Pb. Health
2-3	Psychiatry		Pediatrics	Psychiatry		
3-4						
4-5						
				(Spec. Lect.)		

†Regular section work takes precedence over clinical pathological conference.

() When scheduled.

GRADUATE STUDENTS AND SPECIAL STUDENTS

Cornell University Medical College is primarily concerned with preparing young men and women for the degree of Doctor of Medicine, and does not choose to emphasize work for degrees of other character. There are, however, from time to time unusual opportunities for advanced work other than that required for the degree of Doctor of Medicine. This work may be special work leading to no degree, inviting those singularly fitted for such studies, or work presented by the curriculum of the Graduate School.

To avoid misunderstanding in the use of the terms *Graduate School*, *Graduate Students*, *Post-Graduate Students*, and *Special Students*, the following statement is made:

Students not pursuing the regular courses leading to the degree of Doctor of Medicine may be—

I. STUDENTS OF THE GRADUATE SCHOOL. Students in Cornell University Graduate School may be of two classes: (a) those registered for an advanced degree and (b) those not registered for an advanced degree.

II. SPECIAL STUDENTS. All students *not registered in Cornell University Graduate School and not registered for the M.D. degree* are SPECIAL STUDENTS. These are SPECIAL STUDENTS in the true sense of the word and must be especially qualified in preparation, ability, and objective in order to receive any consideration. They may or may not be graduate students in the sense of having completed work for a collegiate degree. They are admitted *only by the consent of the head of the department* and must be registered in the dean's office of the medical college and must pay their fees at the business office before being admitted to lectures or laboratory periods. They are required to carry and show on demand of the authorities a permit of attendance.

Although Cornell University Medical College intends to develop special opportunities for advanced work of high quality in the medical sciences and in the clinical fields, it does not at present offer work corresponding so that usually described as *clinical post-graduate work*. Work offered to post-graduate students at present will demand a prolonged period of residence as does other graduate work. Such work is not credited toward an advanced degree unless the student be regularly registered for such a degree in the Graduate School of Cornell University and unless the work in question is in the curriculum of the Graduate School. Usually students admitted for post-graduate work of this type will hold either the M.D. or Ph.D. degree and in addition will have had several years of practical work. Unless they hold positions on the resident staff, they must register at the Dean's Office, pay the requisite fees, and receive a permit of attendance. For fees see courses listed under departmental announcements.

THE GRADUATE SCHOOL

Those contemplating entering Cornell University Graduate School should refer to the Announcement of the Graduate School, which can be obtained by addressing the Dean of the Graduate School at Ithaca, N. Y.

The Faculty of the Graduate School has control of graduate work in all departments of Cornell University and exclusive jurisdiction over the granting of all advanced degrees. Certain professors in the scientific departments of the Cornell University Medical College in New York City offer graduate instruction as an integral part (Group F) of the Graduate School of Cornell University. Properly qualified students may accordingly enter upon graduate work in New York City under the jurisdiction of professors in these departments and may become candidates for advanced degrees under the same conditions as apply to students in other divisions of the Graduate School.

Graduates of the following colleges of the University, namely, the College of Arts and Sciences, the Medical College, the College of Architecture, the College of Law, the College of Engineering, and the New York State Colleges of Agriculture, Home Economics and Veterinary Medicine—or other institutions in which the requirements for the first degree are substantially equivalent—are eligible for admission to the Graduate School. In other cases, studies pursued after graduation, and experience gained by professional work or otherwise are taken into consideration in deciding whether the candidate's preparation as a whole is such as to justify his admission to the Graduate School.

Graduate students resident in New York City, and working under the direction of members of the faculty connected with Cornell University Medical College are students in the Graduate School of Cornell University, and as candidates for an advanced degree are subject to all the regulations laid down by the Faculty of the Graduate School. The members of the medical college who give instruction to graduate students constitute Group F of the Faculty of the Graduate School. Professor C. V. MORRILL, Chairman of Group F, will advise with applicants for admission to the Graduate School at the medical college in New York. Applications may be addressed to the Office of the Dean of Cornell University Medical College, New York, or to the Dean of the Graduate School, Cornell University, Ithaca, N. Y.

FEES

MATRICULATION FEE	\$11
This fee is required of every student upon entrance into Cornell University. It must be paid at the time of registration.	
TUITION FEE	\$150
This fee for the academic year is to be paid by all students registered in the Graduate School.	
ADMINISTRATION FEE	\$25
This fee is to be paid by all students registered in the Graduate School. It is payable in installments of \$12.50 semi-annually in advance.	
BREAKAGE FEE	\$10
This deposit is to be made at the beginning of each academic year, and will be returned, less the amount charged for breakage, at the end of the year.	
GRADUATION FEE	\$20
This fee is required at least ten days before the degree is to be conferred, of every candidate for an advanced degree. The fee will be returned if the degree is not conferred.	

THE FACULTY OF MEDICINE AT ITHACA

- LIVINGSTON FARRAND, A.B., M.D., L.H.D., LL.D., President.
ALBERT RUSSELL MANN, A.M., D.Sc., D.Agr., LL.D., Provost of the University.
ABRAM TUCKER KERR, B.S., M.D., Secretary of the Medical College at Ithaca; Professor of Anatomy.
SIMON HENRY GAGE, B.S., Professor of Histology and Embryology, *Emeritus*.
BENJAMIN FREEMAN KINGSBURY, Ph.D., M.D., Professor of Histology and Embryology.
JAMES BATCHELLER SUMNER, A.M., Ph.D., Professor of Biochemistry.
HOWARD SCOTT LIDDELL, A.M., Ph.D., Professor of Physiology.
JAMES WENCELAS PAPEZ, A.B., M.D., Assistant Professor of Anatomy and Neurology.
HOWARD BERNHARDT ADELMANN, A.M., Ph.D., Assistant Professor of Histology and Embryology.
JOSEPH ALMA DYE, A.B., Ph.D., Assistant Professor of Physiology.
GEORGE HARRISON MAUGHAN, A.M., Ph.D., Instructor in Physiology.
DAVID BIRNEY HAND, A.B., Ph.D., Instructor in Biochemistry.
ANDREW J. RAMSAY, A.B., Ph.D., Instructor in Histology and Embryology.
STACEY F. HOWELL, A.B., M.S., Ph.D., Instructor in Biochemistry.
MELVIN GODWIN, A.B., Assistant in Histology and Embryology.
CLARENCE E. KLAPPER, A.B., A.M., Assistant in Histology and Embryology.
WAYNE RUNDLES, A.B., Assistant in Anatomy.
LISGAR BOWNE ECKARDT, A.B., A.M., Assistant in Anatomy.
PARK D. KELLER, B.S., Assistant in Anatomy.
M. NOBLE BATES, A.B., Assistant in Histology and Embryology.
WARNER S. HAMMOND, A.B., Assistant in Histology and Embryology.

INSTRUCTION AT ITHACA

DURING THE FIRST YEAR OF THE COURSE

CALENDAR FOR ITHACA, 1935-36

FIRST TERM

- Sept. 23, 24 Monday and Tuesday—Registration and assignment of new students.
Sept. 24, 25 Tuesday and Wednesday—Registration and assignment of old students.
Sept. 26 Thursday—Instruction begins.
Oct. 18 Friday—Last day for payment of tuition for first term.
Nov. 27 Wednesday—Instruction ends at 6 P.M.
Dec. 2 Monday—Instruction resumed at 8 A.M.
Dec. 21 Saturday—Instruction ends at 1 P.M. (Christmas recess).
Jan. 6 Monday—Instruction resumed at 8 A.M.
Jan. 11 Saturday—Founder's Day.
Jan. 27 Monday—Term examinations begin.
Feb. 5 Wednesday—Term examinations end; first term closes.
Feb. 6 Thursday—Holiday.

SECOND TERM

- Feb. 7 Friday—Registration of all students for the second term.
Feb. 10 Monday—Instruction begins at 8 A.M.
Mar. 2 Monday—Last day for payment of tuition for second term.
Mar. 28 Saturday—Instruction ends at 1 P.M. (Spring recess).
April 6 Monday—Instruction resumed at 8 A.M.
May — Saturday—(Holiday) Spring and Navy Day.
June 1 Monday—Final examinations begin.
June 9 Tuesday—Final examinations end.
June 15 Monday—Commencement.

GENERAL STATEMENT

From its foundation, Cornell University has offered special courses for students preparing for the study of medicine; first in the natural history course, and later also in a special two-year medical preparatory course. In 1898 the medical college was established in New York City with a four-year course. At the same time the work of the first two years was duplicated at the University in Ithaca, since many of the fundamental scientific subjects of which this part of the course mainly consists were already provided for in the long-established departments of botany, zoology, comparative anatomy, physics, chemistry, physiology, histology, embryology, and bacteriology. The courses in these departments were modified where necessary and other courses were added so as to make the work at Ithaca equivalent to the first two years in New York City. In 1908, the work of the second year was discontinued at Ithaca.

OTHER COLLEGES OF THE UNIVERSITY. Among the facilities of the university of special value to the medical college may be mentioned the museums of vertebrate and invertebrate zoology (including entomology and comparative anatomy), of agriculture, of botany, of geology, and of veterinary medicine. The University Library with its 760,810 volumes and pamphlets, and over 2,000 current periodicals and transactions, is as freely open to medical students as to other university students.

STIMSON HALL. This is a modern and thoroughly equipped laboratory building erected for the medical college at Ithaca in 1902. It was made possible through the generosity of the late Dean Sage of Albany and named at his desire Stimson Hall in recognition of the services rendered by Dr. Lewis A. Stimson toward the establishment of the medical college. The building was especially designed for teaching and research in anatomy, histology, embryology, and physiology.

In the cellar are sound-proof conditioned reflex rooms, the cold-storage, embalming, cremating rooms, and storerooms.

In the basement are the ventilating and cold-storage machinery, a large lecture room, research rooms, and an advanced laboratory for histology, besides the lower part of the large amphitheatre. Here also is the operating room for physiology.

On the first floor are the coat rooms for men and women, college office, library, reading room, faculty room, histology and embryology research laboratory, general laboratory for experimental physiology, demonstration and metabolism room for physiology, and the upper part of the large amphitheatre.

On the second floor is the Department of Histology and Embryology with a large general laboratory, research laboratory, preparation rooms, and private laboratories for the instructors. On this floor also is the Department of Physiology, with a large general laboratory for biochemistry, research laboratories for biochemistry, a research laboratory for experimental physiology, an incubator room, repair shop and private laboratories for the instructors.

The third floor consists of the general and special dissecting rooms for gross anatomy and neurology, study rooms, dark room, radiology room and amphitheatre, besides rooms for the instructors.

The attic is utilized for photography, macerating skeletons, and for storage.

The air in the building is constantly changed by forced ventilation. The lighting is especially good in all the rooms.

In the court behind the building is a house for alcohol and inflammables and provision for experimental animals, including a small animal house. Additional animal houses and experimental laboratories are situated at some distance from the medical building on the Physiology Field Station.

THE VANCLEEF MEMORIAL LIBRARY. This library, endowed by Mr. Mynderse VanCleaf in honor of his brother, Dr. Charles VanCleaf, is situated in Stimson Hall and supplements the extensive facilities of the

university library by a steadily growing collection of reference works and periodicals of importance for the work of instruction and research conducted in Stimson Hall. The library room is lighted by indirect overhead light, and the reading desks are provided with daylight lamp fixtures.

EXPERIMENTAL FIELD STATION. An important adjunct to the Department of Physiology is an Experimental Field Station which consists of nine acres situated in the open country about two miles from the medical college. In this fenced field a barn for the accommodation of large animals such as sheep and goats, and proper houses with runs for small animals have been provided. In such a station animals under observation in feeding and nutrition experiments, for example, may be kept under ideal conditions for long periods of time. A laboratory equipped for the study of conditioned reflexes has been constructed in which it is possible, due to the quiet environment, to provide an experimental room practically sound-proof. This is essential for success in the investigation of conditioned reflexes. Communication between the station and the laboratory is maintained by a motor truck belonging to the department.

THE SARAH MANNING SAGE RESEARCH FUND. As a recognition of the importance of the research side of university work, and as a timely and generous gift, there came in 1916 a bequest of \$50,000 by the will of Sarah Manning Sage, widow of Dean Sage, the donor of Stimson Hall. The income of this sum, or in the discretion of the university the principal also, shall be used to promote the advancement of medical science by the prosecution of research in the Cornell University Medical College at Ithaca, in connection with any and all subjects at any time embraced in the curriculum.

PLAN OF INSTRUCTION

ANATOMY

ABRAM T. KERR, Professor of Anatomy.

JAMES W. PAPEZ, Assistant Professor of Anatomy and Neurology.

LISGAR BOWNE ECKHARDT, Assistant.

WAYNE RUNDLES, Assistant.

PARK D. KELLER, Assistant.

The courses in anatomy are designed to provide a comprehensive and detailed study of the structure of the human body.

The work in gross anatomy is mostly concentrated in the first term of the first year. The laboratory is open from eight to five on week days, except Saturday. Twenty-five hours a week are allowed for the required work in the first term and four hours a week in the second term. Students who have additional hours free may devote more time to the subject.

The work consists mainly of dissection followed by recitation on the part dissected. For this work there is an ample supply of dissecting

material well embalmed and kept in cold storage ready for use. Each student is required to do a clean and careful dissection of a lateral half of the body. The regional method of dissection is followed. The student is furnished a systematic laboratory outline so arranged where possible that the structures in each region can be studied together as a topographic, functional, or surgical area. It is realized that no one method or point of view is sufficient or applicable to every region. The purpose throughout is to make the student find and identify every structure, to appreciate its functional significance, its relations and its peculiar characteristics, to assemble details into general concepts, to visualize and interpret every region and organ. The aim is to direct the student to work methodically, to observe carefully and to think clearly and independently. He is encouraged to make careful notes and as many drawings as time permits. Where feasible, he is taught to compare his findings on the cadaver with conditions in the living body.

An x-ray outfit and fluoroscope in the department make it possible in many regions to compare the x-ray picture from the cadaver with the findings in the dissection. A complete disarticulated skeleton is loaned to each student so that the bones may be available for study when encountered in course of dissection. In addition the department is well equipped with models, cross sections, and special dissections for study and demonstration. For study of the finer structure of the organs hand lenses and several binocular dissecting microscopes are provided in the laboratory. A student library containing atlases and some of the more important anatomical monographs is in connection with the laboratory. Besides the usual regional recitation on the dissected part, demonstration conferences are held about three times a week with the class as a whole or with smaller groups. Occasional lectures are given on matters that cannot be made clear by dissection and demonstrations.

The work in the anatomy of the nervous system and sense organs is given during the second term. It consists mainly of laboratory work with frequent conferences and recitations. A topographic study and dissection of the organ or part precedes or accompanies its microscopic study. Special attention is given to the sense organs, nerves, nuclei, reflex connections, conduction tracts and cortical areas that enter into the formation of the more important functional systems. In connection with each organ or part, its development and comparative morphology is considered. For this work an ample supply of human brains, brains of lower mammals, Weigert sections, and other preparations is available.

The department is well equipped to provide facilities for those properly qualified to undertake advanced and research work. Students with special ability or training are permitted to do more than the required work. Where time permits they are encouraged to do advanced or research work.

1. *Anatomy of the Head and Neck.*

First term. Credit, 4 hours, 24 actual hours a week for 6 or more weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

2. *Anatomy of the Thoracic Walls and Viscera.*

First term. Credit, 1 hour, 24 actual hours a week for 2 or more weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

3. *Anatomy of the Abdominal and Pelvic Walls and Viscera.*

First term. Credit, 4 hours, 24 actual hours a week for 6 or more weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

5. *The Nervous System. Anatomy, Histology, and Systematization.*

Second term. Credit, 3 hours. Assistant Professor Papez and instructors. Eight hours a week laboratory with laboratory demonstrations, conferences and recitations. Dissection of the spinal cord and brain. Microscopic structure and the development of the nervous system.

6. *Anatomy of the Living Body.*

First term. Credit, 2 hours, 3 actual hours a week. Professor Kerr. Interpretation of dissecting room material by means of the living body, frozen sections, and special preparations. A review of the work of Courses 1, 2, and 3.

7. *Anatomy of the Upper Extremity.*

First term. Credit, 2 hours, 24 hours a week for 2 or more weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

8. *Anatomy of the Lower Extremity.*

Second term. Credit, 2 hours, 4 hours a week for 16 weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection and conferences.

9. *Topographical Anatomy.*

First and second terms. Credit, 2 to 5 hours. Elective. Prerequisite, anatomy courses 1, 2, 3, 7, or 8. The detailed dissection and study of any region. Professors Kerr and Papez.

250. *Research in Anatomy and Neurology.*

First and second terms. Professors Kerr and Papez. Advanced and research work in the laboratories. Open only to those who have taken the necessary preliminary courses, and are properly qualified.

HISTOLOGY AND EMBRYOLOGY

BENJAMIN F. KINGSBURY, Professor of Histology and Embryology.
HOWARD B. ADELMANN, Assistant Professor of Histology and Embryology.

ANDREW J. RAMSAY, Instructor in Histology and Embryology.

MELVIN GODWIN, Assistant in Histology and Embryology.

CLARENCE E. KLAPPER, Assistant in Histology and Embryology.

M. NOBLE BATES, Assistant in Histology and Embryology.

WARNER S. HAMMOND, Assistant in Histology and Embryology.

As indicated by the following courses, this department offers elementary and advanced instruction in the theory and use of the microscope and its accessories in histology and embryology and, also, opportunities for research in all of these subjects.

The material equipment consists of a good supply of modern microscopes. Camera-lucidas, polariscopes, micro-spectroscopes, photo-micrographic cameras, microtomes and other special apparatus such as dark-field illuminators are available in sufficient numbers to give each

student opportunity for personally learning to use and apply them to any special study in which they may be needed. Two projection microscopes are available for class demonstrations and for making the drawings used in reconstruction.

The rooms for the use of the department are on the second floor of Stimson Hall. They are well lighted. They consist of a large general laboratory, an advanced laboratory, a preparation room, department office and five private laboratories for the instructing staff, where special demonstrations of difficult subjects are given to small groups of students.

The collection of material and microscopic series of human embryology, contributed mainly by graduates of the college, is steadily growing. Every encouragement is given for the fullest utilization of the opportunities afforded by the department.

The work of the department consists of practical laboratory work, supplemented by lectures, conferences, and demonstrations. The work required of students of medicine is given in Course 10. For those who have already had elsewhere satisfactory work in histology, elective work may be taken in Courses 107 and 108. Courses open to students in the College of Arts and Sciences and Veterinary Medicine are described in the Announcements of these colleges.

COURSES REQUIRED OF STUDENTS OF MEDICINE

10. *Histology.*

First term. Credit, 8 hours. Professor Kingsbury and assistants. Required of first-year students of medicine. Four laboratory periods and four lectures each week. The work includes (a) The fundamentals of human development; (b) The histology of the tissues and organs (except the nervous system); (c) The main facts of histogenesis and the development of the organs (except the nervous system). It is highly advantageous that the course be preceded by a course in embryology (see Courses of Instruction of the College of Arts and Sciences, Course 104).

ADVANCED AND ELECTIVE COURSES

107. *Advanced Work in Histology and Embryology.*

First and second terms. Professor Kingsbury and Assistant Professor Adelman. Laboratory work, eight or more actual hours a week, with Seminary (Course 108).

This course is designed for those preparing theses for baccalaureate or advanced degrees, and for those wishing to undertake special investigations in histology and embryology.

Course 107 is open to those who have had Course 10, or its equivalent. A good reading knowledge of French and German is indispensable for the most successful work in this course. It is suggested that those who intend to take this course confer with the head of the department as early as possible, so that the work may be planned to the best advantage.

108. *Seminary.*

First and second terms. One hour each week at an hour to be arranged.

For the discussion of current literature and the presentation of original work by the members of the department staff and those doing advanced work in the department. It may be taken in connection with Course 107.

PHYSIOLOGY AND BIOCHEMISTRY

JAMES B. SUMNER, Professor of Biochemistry.
 HOWARD S. LIDDELL, Professor of Physiology.
 JOSEPH A. DYE, Assistant Professor of Physiology.
 GEORGE H. MAUGHAN, Instructor in Physiology.
 DAVID B. HAND, Instructor in Biochemistry.
 STACEY F. HOWELL, Instructor in Biochemistry.

PHYSIOLOGY

This subject is taught in the second term of the first year of the medical curriculum. It is the aim of the department to give the students a thorough training in the fundamentals of the science of physiology and an effort is made to strike the proper balance between the study of theoretical principles in the lecture room and the practical application of these in the laboratory.

Nine hours a week are devoted to practical exercises, special attention being given to experimental methods which are likely to be of importance in the study of clinical medicine.

In the laboratory, from year to year, less and less time is taken up with frog physiology and more and more time devoted to a practical study of mammalian functions. This is made possible by the fact that the department now possesses six large Brodie type kymographs of recent pattern for the exclusive use of medical students.

The following courses are offered:

31. *Physiology of Muscle and Nerve; Central and Automatic Nervous Systems; Special Senses.*

Second term. Credit, 4 hours. Professor Liddell and assistants. Four lectures or recitations and three laboratory periods weekly for eight weeks.

34. *Physiology of Digestion and Secretion; Absorption; Excretion; Heat Production and Its Regulation; and Functions of the Endocrine Glands.*

Second term. Credit, 4 hours. Assistant Professor Dye, Instructor Maughan, and assistant. Four lectures or recitations and three laboratory periods weekly for eight weeks, supplemented by demonstrations, conferences and written reviews. In the laboratory, the students will gain practical experience by making animal preparations, demonstrating and studying the physiological mechanisms of the mammalian body.

308. *Advanced Work and Research in Physiology.*

First and second terms. Credit, 2 or more hours. Assistant Professor Dye. Prerequisite or parallel, courses 31 and 34 or their equivalents. This course is designed for undergraduate students who are especially interested in physiological problems and wish to undertake special investigations in this field in preparation for further work toward advanced degrees.

310. *Seminary in Physiology.*

Second term. Credit, 1 hour. For graduate students and others properly qualified. Hour to be arranged. Members of the staff. Reports on recent advances in physiology.

BIOCHEMISTRY

In this section the student is taught the chemistry of the tissues, fluids, secretions, and excretions of the human body; the composition of food-stuffs, and the phenomena of their digestion, absorption, and

assimilation; the rôle of enzymes in the animal economy; the principles of nutrition; and the leading facts of general and special metabolism. Groups of organic compounds of special biological importance will be discussed emphasizing particularly the carbohydrates, purins, amino acids, and fats. The fundamental properties of electrolytes and colloids and the phenomena of osmosis and dialysis will be considered in lecture room and laboratory. Instruction is given in the use of analytical methods for the examination of biological products, both normal and pathological. Those methods are principally considered which have found an application in scientific medicine, and special attention is devoted to the quantitative analysis of the gastric contents, blood, and urine. Each student completes the course by performing a metabolism experiment upon himself.

The bulk of the instruction is given in the laboratory. As occasion arises, the student's individual work is supplemented by experimental demonstrations; while by means of lectures and recitations it is sought to co-ordinate the whole, and to expound the theoretical aspects of the subject.

The following courses are offered:

15. *General Biochemistry.*

Second term. Credit, 9 hours. Five lectures or recitations and four three-hour laboratory periods weekly; supplemented by demonstrations, conferences and written reviews. Professor Sumner, Instructors Hand and Howell. Required of first-year students of medicine.

17. *Special Chapters in Biochemistry.*

First term. Credit, 1 hour. Professor Sumner. One lecture weekly on some selected province of biological chemistry. Hour to be arranged. This is an elective course for advanced students or graduates.

320. *Advanced and Research Work in Biochemistry.*

First and second terms. Professor Sumner. The laboratory is open daily to all qualified persons for advanced instruction or the prosecution of research. Courses are arranged to suit the training and requirements of the individual student.

SUMMARIZED STATEMENT

In this schedule the counts or university hours are given on the following basis: One recitation or lecture weekly for one term or half year gives a credit of one; for laboratory work it requires two and one-half to three actual hours weekly for a term or half year to secure a credit of one.

REQUIRED COURSES

FIRST TERM

1. *Anatomy of the Head and Neck.*

Credit, 4 hours, 24 actual hours a week for 6 weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

2. *Anatomy of the Thoracic Walls and Viscera.*

Credit, 1 hour, 24 actual hours a week for two weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

3. *Anatomy of the Abdominal and Pelvic Walls and Viscera.*

Credit, 4 hours, 24 actual hours a week for 6 weeks. Professors Kerr and Papez, instructors and assistants. Laboratory work, dissection, and conferences.

6. *Anatomy of the Living Body.*

Credit, 2 hours, 3 actual hours a week. Professor Kerr.

7. *Anatomy of the Upper Extremity.*

Credit, 2 hours, 24 actual hours a week for 2 or more weeks. Professors Kerr and Papez, and assistants.

10. *Histology.*

Credit, 8 hours. Professors Kingsbury, Adelman, instructors and assistant. Four laboratory periods and four lectures each week.

SECOND TERM

31. *Physiology of Muscle and Nerve; Central and Automatic Nervous Systems; Special Senses.*

Second term. Credit, 4 hours. Professor Liddell and assistants. Four lectures or recitations and three laboratory periods, weekly for eight weeks.

34. *Physiology of Digestion and Secretion; Absorption; Excretion; Heat Production and Its Regulation; Functions of the Endocrine Glands.*

Second term. Credit, 4 hours. Four lectures or recitations and three laboratory periods weekly for eight weeks, supplemented by demonstrations, conferences and written reviews. In the laboratory, the students will gain practical experience by making animal preparations, demonstrating and studying the physiological mechanisms of the mammalian body. Assistant Professor Dye, Instructor Maughan, and assistants.

15. *General Biochemistry.*

Credit, 9 hours. Five lectures or recitations and four three-hour laboratory periods weekly, supplemented by demonstrations, conferences, and written reviews. Professor Sumner and instructors.

5. The Nervous System, Anatomy, Histology, and Development.

Credit, 3 hours. Assistant Professor Papez and instructors. Eight actual hours a week. Dissection of the spinal cord and brain. Microscopic structure of the nervous system and organs of special sense.

8. *Anatomy of the Lower Extremity.*

Credit, 2 hours, 4 actual hours a week. Professors Kerr and Papez and assistants.

FIRST TERM

	<i>No. of Course</i>	<i>University Hours</i>	<i>Actual Hours Weekly</i>
Anatomy	1,2,3,7	11	24
Anatomy	6	2	3
Histology	10	8	16
		—	—
		21	43

SECOND TERM

Anatomy	8	2	4
Physiology	31	4	13
Physiology	34	4	
Nervous System	5	3	8
Biochemistry	15	9	17
		<hr/>	<hr/>
		22	42

GENERAL INFORMATION

REQUIREMENTS FOR ADMISSION

The requirements for admission are identical with those of the Medical College at New York City (see page 48).

RESIDENCE AND REGISTRATION

The college year is nine months long, extending from the last of September till about the middle of June, and is divided into two nearly equal terms. (For exact dates, see calendar on page 93.)

No credit is given for work done in absentia. For leave of absence during the session, application should be made to the Secretary.

At the beginning of the term students must register with the University Registrar, in Morrill Hall. After registration with the University Registrar, they must register with the Secretary of the Medical College, in Stimson Hall.

EXAMINATIONS AND ADVANCEMENT

Students are advanced in course from one year to the next on passing examinations on the work of that year. The work of each year is considered final of itself. There is no unnecessary repetition of subjects taught from year to year. According to the usage of the other colleges, the university student found to be markedly deficient will be dropped from the college at the end of the term. In the case of a student so dropped, an application for re-admission will not be considered until after the expiration of one term.

Upon the completion of the year in Ithaca, a transcript of the record of each student, together with a statement that such student is recommended for admission to the second-year class, is transmitted by the faculty at Ithaca to the faculty of the medical college in New York City. As a student is not advanced from one year to another in the New York division until all the work of the year is completed, a student from Ithaca cannot enter the second-year class in New York until the entire schedule of the first year has been successfully completed. For removing any conditions, examinations are held at the beginning of the fall term, both in Ithaca and in New York City. The student is at liberty to take these examinations in Ithaca or in New York City. The examination on a subject in either place is final for that year. That is, the student will not be permitted to try an examination on a subject in Ithaca, and take advantage of the later date for the examination in New York to have a second examination on the same subject in the same autumn.

CHARGES FOR INSTRUCTION

FIRST YEAR

Matriculation	\$ 10
Tuition	500
	<hr/>
	\$510

Willard Straight Hall and Infirmary fees are paid by medical students as well as by all other students.

All tuition and other fees may be changed or increased by the Trustees to take effect at any time without previous notice.

Applications for registration in the Medical College should be made by January 1, and a deposit of \$100 is required if accepted.

An application received after January 1 may be accepted if, in the judgment of the Faculty, there is adequate provision for the student's instruction.

The advance of \$100 on account of tuition which is required of each applicant on acceptance for admission is payable normally within two weeks of notification, and is not returnable.

RESIDENTIAL HALLS

The University has eight residential halls for men students situated on the campus and furnishing accommodations for about 600 students. For particulars address The Manager of Residential Halls, Morrill Hall, Ithaca, N. Y. There are, also, many private boarding and rooming houses near the campus. In these the cost of board and furnished room, with heat and light, varies from \$10 to \$15 a week. By the formation of clubs, students are sometimes able to reduce their expenses for room and board. Cafeterias are maintained by the university in Willard Straight Hall and in the Home Economics Building, where meals can be obtained at reasonable prices.

Before engaging rooms, students should carefully examine sanitary conditions and should particularly insist on satisfactory and sufficient fire escapes. The university publishes and distributes a list of approved rooming houses. This list is ready for distribution August 15. New students are advised to come to Ithaca a few days in advance of the beginning of the university duties in order that they may have ample time to secure room and board before the opening of the academic year. The Freshman Advisory Committee offers its assistance to new students in the selection of rooming and boarding houses.

The residential halls for women students are Sage College, Prudence Risley Hall, and Balch Halls. In these buildings, which are exclusively for women students, the total cost of board, laundry, and rent of furnished rooms, with heat and light is \$525 a year. The halls are heated by steam and lighted by electricity. The Dean of Women has jurisdiction over all women students in the university, and women students are not permitted to board and lodge outside of the halls for women except in houses approved by her and subject to her direction. Prospective women students should write to the Dean of Women for information concerning any matters in which they may need assistance. Dormitory facilities for women are inadequate, and prospective students desiring such accommodations are urged to make early application. Inquiries in regard to board and rooms in the women's halls should be addressed to The Manager of Residential Halls, Morrill Hall, Ithaca, N. Y.

CORNELL UNIVERSITY MEDICAL COLLEGE

ITHACA, N. Y.

FIRST YEAR—SESSION OF 1935-36—FIRST TERM

	8	9	10	11	11:30	1	2	3
Monday	Anatomy L.	Histology L.	Histology			Anatomy		
Tuesday	Anatomy					Anatomy		
Wednesday	Anatomy L.	Histology L.	Histology			Anatomy		
Thursday	Anatomy					Anatomy		
Friday	Anatomy L.	Histology L.	Histology			Anatomy		
Saturday	Histology L.	Histology						

FIRST YEAR—SESSION OF 1935-36—SECOND TERM

	8	9	10	11	11:30	1	2	3
Monday	ANATOMY					Neuro-Anatomy		
Tuesday	Biochemistry L.	Physiology				Physiology		
Wednesday	Physiology L.	Biochemistry L.	Biochemistry			Neuro-Anatomy		
Thursday	Physiology L.	Biochemistry L.	Physiology			Biochemistry		
Friday	Physiology L.	Biochemistry L.	Biochemistry			Neuro-Anatomy		
Saturday	Physiology L.	Biochemistry L.	Biochemistry					

GRADUATE WORK AT ITHACA

ADMISSION

The Graduate School has exclusive control of all graduate work carried on in the university. Graduates of the following colleges of Cornell University, namely, the College of Arts and Sciences, the College of Architecture, the College of Engineering, the Medical College, the New York State College of Agriculture, the New York State College of Home Economics, the Law School and the New York State Veterinary College, and also graduates of other institutions in which the requirements for the first degree are substantially equivalent, are eligible for admission to the Graduate School. In other cases studies pursued after graduation, and experience gained by professional work or otherwise, are taken into consideration in deciding whether the candidate's preparation as a whole is such as to justify his admission to the Graduate School. Graduates of colleges other than those of Cornell University may be admitted to the Graduate School, but not to candidacy for an advanced degree, if their training is regarded as less than one year short of that required for the first degree at Cornell University.

Correspondence regarding admission should be addressed to "The Graduate School, Cornell University, Ithaca, N. Y." In many cases students may find it desirable either before or after making formal application for admission, to correspond directly with one or more professors in the proposed field of work in order to secure further information regarding facilities for advanced study and research, than is contained in this announcement. Application for admission must be filed in duplicate on special forms obtainable on request, and must be filed in the office of the Graduate School in the preceding spring if possible, ordinarily not later than August 10 and January 20 for entrance to the first and second terms, respectively, and not later than June 25 for entrance to the summer session. It may be impossible to give consideration to applications received after these dates. The applicant must submit complete official transcripts of all previous collegiate studies.*

For details in regard to the selection of major and minor subjects, special committees in charge of the work of each candidate for an advanced degree, fees, time required, thesis, and special conditions to be fulfilled by each candidate for an advanced degree, references should be made to the Announcement of the Graduate School.

FACILITIES

The facilities of the departments of anatomy, histology and embryology, physiology and biochemistry, have been outlined under the description of each department. These are equally available for the use of the graduate students and for medical students.

*In the case of graduates of Cornell University this is not necessary, since the records are conveniently accessible.

FELLOWSHIPS AND GRADUATE SCHOLARSHIPS

Among the twenty-four fellowships and eighteen scholarships offered annually to students in the Graduate School, the following are of particular interest to students continuing work in biological sciences:

THE SCHUYLER FELLOWSHIP IN ANIMAL BIOLOGY (annual value of \$400 and free tuition in the Graduate School).

THE GRADUATE SCHOLARSHIP IN ANIMAL BIOLOGY (annual value of \$200 and free tuition in the Graduate School).

THE COMBINED A.B. AND M.D. DEGREES

The medical college advises students to complete, whenever feasible, the full four-year A.B. course before applying for admission to this college. It is possible, however, to be admitted to the medical college under Section II of the entrance requirements. This is to provide for those students who, by specially directed or especially proficient work, accomplish the essential requirements for the Arts degree during three years of college residence. No students are admitted under this classification unless their college faculty will permit them to substitute the first year in the Cornell University Medical College for the fourth year of their college course, and no student is admitted to the second year in the Medical College without the bachelor's degree obtained after at least three years of undergraduate college work.

The first year in the medical course, which may be taken in place of the fourth year of the arts work, may be pursued either in Ithaca or in New York City. If all the work of this year is completed satisfactorily the student receives the degree of A.B. or its equivalent, and is permitted to take the last three years of the medical work. These are taken entirely in the Cornell University Medical College in New York City.

For the convenience of college students preparing for medicine, a schedule of the courses in the College of Arts and Sciences of Cornell University, in physics, chemistry, and biology, which will satisfy the requirements for admission to the medical college, is given below. If a student is taking four years in a liberal arts college, these courses may be taken later in the course than indicated. It is important that the order given in the outline should be followed, as certain of these courses are prerequisite for other prescribed courses. In addition to the courses required for admission to the medical college, the student will take all courses in English, foreign language, philosophy and psychology, history, mathematics, economics and government which are prescribed by the College of Arts and Sciences. It is advised that all these underclass requirements be completed before the beginning of the junior year.

The courses which the medical college requires of its applicants for admission, and planned for the student who expects to finish his arts courses in three years are thus outlined:

FIRST YEAR IN ARTS

	<i>Course No.</i>	<i>1st Term Hours Credit</i>	<i>2nd Term Hours Credit</i>
Animal Biology (Introductory Zoology)	1	3	3
Chemistry (Introductory Inorganic)	101		3
Chemistry (Introductory Inorganic)	105		3

SECOND YEAR IN ARTS

Animal Biology (Comparative Anatomy and morphology of vertebrates)	11	3	3
Chemistry (Introductory Qualitative Analysis)	210	3	
Chemistry (Introductory Quantitative Analysis)	225		3
Physics (Introductory Experimental)	7 & 8	3	3

THIRD YEAR IN ARTS

Chemistry (Elementary Organic)	375	6	
Animal Biology (Histology and Histogenesis of the tissues)	101	4	
Animal Biology (Vertebrate Embryology)	104		5
Physics (Introductory Physical Experiments)	55	3	

It is desirable that included in, or in addition to the modern foreign language required for admission to the Medical College, students should obtain a reading knowledge of French and German.

Some of the additional courses suggested for election according to the needs or desires of each individual student are:

In the group of Animal Biology, courses: 102—Histology and development of the organs; 221—Structure of the human body; 222—Anatomical methods; 225—Comparative neurology; 1 or 3—Economics; 50a and 50b—Introduction to social science; Botany 1, one or two terms; 101—Genetics; 124—Cytology; 51 and 52—Entomology. Also courses in Psychology and additional courses in English and Public Speaking where these latter are needed.

INTERNESHIP APPOINTMENTS, CLASS OF 1935

DOCTORS OF MEDICINE, JUNE 6, 1935

Maxwell Rufus Berry, Jr., A.B.	Bellevue Hospital
Perry Sanborn Boynton, Jr., A.B.	Grasslands Hospital, Valhalla, N. Y.
Cornelius Persen Brink, B.S.	Presbyterian Hospital, Philadelphia, Pa.
Walter Fuchsius Bugden, B.S.	Lenox Hill Hospital, New York, N. Y.
John Heckman Burke, Jr., A.B.	St. Joseph's Hospital, Elmira, N. Y.
Katharine Butler, A.B., A.M.	New York Hospital
John Cannon, A.B.	Hartford Hospital, Hartford, Conn.
John Howard Carlquist, A.B.	St. John's Hospital, Brooklyn, N. Y.
Henry Ashley Carr, A.B.	Jersey City Medical Center, Jersey City, N. J.
Elizabeth Panet Chittenden, A.B.	New Haven Hospital, New Haven, Conn.
Orrin Fluhr Crankshaw, A.B.	New Haven Hospital, New Haven, Conn.
Daniel Innes Dann, B.S.	Harrisburg Hospital, Harrisburg, Pa.
Arthur Gerard DeVoe, A.B.	Bellevue Hospital
Marshall Fletcher Driggs, Ph.B.	Roosevelt Hospital, New York, N. Y.
Ralph Howard Edson, B.S.	Bellevue Hospital
John Arthur Evans, B.S.	French Hospital, New York, N. Y.
Herbert Calvin Fisher, A.B.	Orange Memorial Hospital, Orange, N. J.
George Granville Flenner, A.B.	Cincinnati General Hospital, Cincinnati, Ohio
Floyd Fortuin, A.B.	St. Joseph's Hospital, Paterson, N. J.
Carl Frederick Freese, B.S.	Nassau Hospital, Mincola, N. Y.
David Gold, A.B.	Harlem Hospital, New York, N. Y.
William Henry Hanna, Jr., A.B.	St. Luke's Hospital, New York, N. Y.
Stephen Howat Harris, Ph.B.	Rhode Island Hospital, Providence, R. I.
Robert Williams Hedges, B.S.	Roosevelt Hospital, New York, N. Y.
Harry Heim Henderson, B.S.	Wheeling Hospital, Wheeling, W. Va.
Henry Miles Imboden, B.S.	Grasslands Hospital, Valhalla, N. Y.
Charles Edward Jacobson, Jr., B.S.	Hartford Hospital, Hartford, Conn.
Edward Francis Keefe, B.S.	St. Luke's Hospital, New York, N. Y.
Saul Rosenthal Kelson, A.B.	Beth Israel Hospital, Boston, Mass.
Alexander Duncan Langmuir, A.B.	Boston City Hospital, Boston, Mass.
Edwin Vance Lawry, A.B.	San Francisco Hospital, San Francisco, Cal.
John Goeller Leuthner, A.B.	Morrisania City Hospital, New York, N. Y.
Edward Augustus Loeb, B.S.	Kings County, Brooklyn, N. Y.
Thomas Lowry, A.B.	Boston City Hospital, Boston, Mass.
William Dennis McCarthy, Ph.B.	Jersey City Medical Center, Jersey City, N. J.
Thomas Poultney Ellicott Mathews, A.B.	Grasslands Hospital, Valhalla, N. Y.
William Theophil Medl, A.B.	St. Luke's Hospital, New York, N. Y.
Robert Edward Merritt, B.S.	Alameda County Hospital, Oakland, Cal.
Mary Compton Moss, A.B.	Lenox Hill Hospital, New York, N. Y.
Frederick Scoville Nicoll, B.S.	Kings County Hospital, Brooklyn, N. Y.
Edgar Cooper Person, A.B.	New York Hospital
Boris Petroff, A.B.	St. Luke's Hospital, New York, N. Y.
Richard Reeser, Jr., A.B.	Philadelphia General, Philadelphia, Pa.
Lucien Griggs Rice, Jr., A.B.	Bellevue Hospital
William Raymond Richards, Jr., A.B.	Bellevue Hospital
Herbert Joseph Rickert, A.B.	Bellevue Hospital
Chauncey Lake Royster, A.B.	Morristown Memorial Hospital, Morristown, N. J.
George Goble Sale, B.S.	Geisinger Memorial Hospital, Danville, Pa.
George Benton Sanders, A.B.	Barnes Hospital, St. Louis, Mo.
Grant Sanger, B.S.	Bellevue Hospital
Phyllis Dooley Schaefer, A.B.	Jersey City Medical Center, Jersey City, N. J.
Alfred Albert Scharbius, Jr., B.S.	St. John's Hospital, Brooklyn, N. Y.
Eleanor Scott, A.B.	Philadelphia General Hospital, Philadelphia, Pa.
William Albert Sibrans, B.S.	New Rochelle Hospital, New Rochelle, N. Y.
Edward Fuller Stanton, B.S.	Methodist Episcopal Hospital, Brooklyn, N. Y.
Charles Greaves Stetson, A.B.	Lenox Hill Hospital, New York, N. Y.

James William Sullivan Stewart, B.S.
Joseph Raymond Strauss, B.S.
Everett Dornbush Sugarbaker, B.S.
Howard Townsend, Jr., A.B.
Jefferson Weed, A.B.
Charles Hathorn Wheeler, Jr., B.S.
Heins Wichman, B.S.
Albert Mansfeld Yunich, A.B.

Knickerbocker Hospital, New York, N. Y.
St. John's Hospital, Long Island City, N. Y.
Henry Ford Hospital, Detroit, Mich.
Roosevelt Hospital, New York, N. Y.
Nassau Hospital, Mineola, N. Y.
New York Hospital
Jersey City Medical Center, Jersey City, N. J.
Albany Hospital, Albany, N. Y.

STUDENTS, 1935-1936

FOURTH YEAR

- Henry Jennings Babers, Jr., B.S., 1932, University of Florida
 Donald Nelson Ball, B.S., 1928, Pennsylvania State College;
 M.S., 1930, Cornell University; M.A., 1932, Harvard University
 John Nickolas Barbey, B.S., 1932, New York University
 Henry Kohlmann Beling, A.B., 1932, Columbia University
 Viola Wertheim Bernard, B.S., 1933, New York University
 Edwin Tremain Bradley, A.B., 1932, Princeton University
 William Putnam Colvin, A.B., 1933, Columbia University
 Crispin Cooke, A.B., 1932, Harvard College
 Robert Allison Cosgrove, A.B., 1933, Cornell University
 Arthur Charles Davis, A.B., 1931, Dartmouth College
 Ralph Stanton Emerson, A.B., 1933, Cornell University
 Hyman Engelberg, A.B., 1933, Cornell University
 Leston Edgar Fitch, A.B., 1932, Cornell University
 Charles Cauldwell Foote, Ph.B., 1931, Yale University
 Leo David Freyberg, A.B., 1932, Cornell University
 Joseph Louis Gaster, A.B., 1932, Cornell University
 Joseph Paul Gold, A.B., 1932, Cornell University
 Edward Mason Goodwin, B.S., 1930, College of the City of New York
 John Francis Griffin, A.B., 1932, Dartmouth College
 Samuel Pollock Harbison, A.B., 1931, Princeton University
 Edward Adams Hardy, A.B., 1932, Yale University
 George Whiting Hebard, A.B., 1932, Williams College
 Mary Ellen Heiss, A.B., 1932, Wellesley College
 Frederic Geake Hirsch, A.B., 1934, University of Wisconsin
 George Grundy Hollins, Jr., A.B., 1933, Cornell University
 Herbert Bolster Johnson, Ph.B., 1932, Brown University
 Marriott Conard Johnson, B.S., 1924, University of Delaware;
 M.S., 1927, Massachusetts Institute of Technology
 Francis Raymond Keating, Jr., A.B., 1933, Cornell University
 Henry Augustus Kingsbury, B.S., 1932, Princeton University
 Wolfgang Wilhelm Klemperer, University of Berlin
 Julius August Klosterman, B.S., 1929, A.M., 1930, Ph.D., 1932,
 New York University
 Edward Frank Koryuka, A.B., 1932, Cornell University
 DeHart Krans, A.B., 1933, Dartmouth College
 Philip John Kunderman, B.S., 1932, Rutgers University
 John Wayne Latcher, A.B., 1932, Cornell University
 Kenneth Bedell Lewis, A.B., 1932, Cornell University
 Evarts Greene Loomis, Jr., B.S., 1932, Haverford College
 Alvina Looram, A.B., 1931, Barnard College
 Bernard Constant Meyer, A.B., 1932, Harvard College
 Willis Bixler Mitchell, A.B., 1928, Dartmouth College
 Charles Neumann, A.B., 1933, Dartmouth College
 John Augustus Northridge, A.B., 1933, Cornell University
 Francis Otto Pfaff, A.B., 1933, Cornell University
 Edmund Otto Piehler, A.B., 1932, Amherst College
 Erwin Emanuel Pietzuch, B.S., 1932, College City of New York
 George Edward Pittinos, Jr., A.B., 1932, Cornell University
 William Redmond Power, A.B., 1932, Fordham University
 Albert Carroll Redmond, B.S., 1931, Hamilton College
 Samuel Henry Roberts, B.S., 1931, College of the City of New York
 Jean Evans Rose, A.B., 1934, University of North Carolina
 Gainesville, Fla.
 Sunbury, Pa.
 Yonkers, N. Y.
 Brooklyn, N. Y.
 Nyack, N. Y.
 Nyack, N. Y.
 New York, N. Y.
 Buffalo, N. Y.
 Jersey City, N. J.
 Riverhead, L. I.
 East Orange, N. J.
 Swan Lake, N. Y.
 New Paltz, N. Y.
 New York, N. Y.
 Granville, N. Y.
 Brooklyn, N. Y.
 Hudson, N. Y.
 Sunnyside, L. I.
 Brooklyn, N. Y.
 Sewickley, Pa.
 Mt. Vernon, N. Y.
 Scarsdale, N. Y.
 East Orange, N. J.
 Toledo, Ohio
 Montclair, N. J.
 New York, N. Y.
 Jackson Heights, N. Y.
 Philadelphia, Pa.
 Montclair, N. J.
 Berlin, Germany
 Bogota, N. J.
 Irvington, N. J.
 Plainfield, N. J.
 New Brunswick, N. J.
 Oneonta, N. Y.
 Rockville Centre, L. I.
 Newark, N. J.
 New York, N. Y.
 White Plains, N. Y.
 Easton, Pa.
 New Rochelle, N. Y.
 Brooklyn, N. Y.
 Oneida, N. Y.
 Webster, Mass.
 Richmond Hill, N. Y.
 Port Richmond, N. Y.
 New York, N. Y.
 New York, N. Y.
 New York, N. Y.
 Fayetteville, N. C.

George Adam Schumacher, B.S., 1932, Pennsylvania State College	Trenton, N. J.
Donald McKay Shafer, A.B., 1932, Columbia University	Staten Island, N. Y.
Stuart Bertine Smith, B.S., 1932, New York University	Pleasantville, N. Y.
Gordon Alvin Spencer A.B., 1933, Columbia University	Buffalo, N. Y.
Martin Howard Srein, B.S., 1932, College of the City of New York	Brooklyn, N. Y.
Christopher Burton Stockton, B.S., 1930, University of Nevada	Bakersfield, Cal.
Dana Morris Street, B.S., 1932, Haverford College	White Plains, N. Y.
Ira Teicher, B.S., 1932, New York University	Brooklyn, N. Y.
James Frederick Thackston, B.S., 1924, University of Tennessee; A.M., 1930, New York University	New York, N. Y.
Alphonse Emanuel Timpanelli, A.B., 1932, Columbia University	Brooklyn, N. Y.
Gordon Ira Trevett, A.B., 1932, Oberlin College	Orchard Park, N. Y.
Samuel Richard Volpe, A.B., 1932, Cornell University	West New York, N. J.
Charles Lawrence Whittemore, A.B., 1917, Williams College	New Canaan, Conn.
Saul Wohl, B.S., 1932, College of the City of New York	New York, N. Y.

THIRD YEAR

Edwin Laws Anderson, M.E., 1930, Stevens Institute	South Orange, N. J.
Shepard Gerard Aronson, A.B., 1934, Cornell University	Brooklyn, N. Y.
Stanley Sisco Atkins, A.B., 1932, Oberlin College	Trenton, N. J.
William Alexander Barnes, A.B., 1933, College of the City of New York	New York, N. Y.
Ruth Barnhart, A.B., 1923, Wells College	Roanoke, Virginia
Frank Albert Baumann, A.B., 1933, Cornell University	Binghamton, N. Y.
Abram Salmon Benenson, A.B., 1933, Cornell University	Napanoch, N. Y.
James Frederick Bing, B.S., 1933, Columbia University	New York, N. Y.
Henry Seavey Blake, Jr., B.S., 1933, Washburn College	Topeka, Kansas
John Hood Branson, Jr., A.B., 1933, Dartmouth College	Bronxville, N. Y.
Julian Scott Butterworth, A.B., 1932, A.M., 1933, Cornell University	Ithaca, N. Y.
Arthur Illges Chenoweth, A.B., 1933, University of Alabama	Birmingham, Ala.
Bliss Bartlett Clark, A.B., 1931, Cornell University	New Britain, Conn.
Janet Cobb, B.S., 1933, Smith College	Cleveland, Ohio
David Aloysius Connors, B.S., 1933, Fordham University	Richmond Hill, N. Y.
Carleton Montgomery Cornell, A.B., 1933, Cornell University	Pocantico Hills, N. Y.
Dorothea Deimel, A.B., 1933, Barnard College	Hoboken, N. J.
Donald Thayer Dodge, B.S., 1933, Harvard College	Arlington, Mass.
Walton Meredith Edwards, A.B., 1933, Stanford University	Palo Alto, Cal.
Walter Eugene Fleischer, B.S., 1929, Ph.D., 1933, Cornell University	Albany, N. Y.
Edgar Philip Fleischmann, A.B., 1934, Cornell University	Linden, N. J.
William Thomas Foley, A.B., 1933, Columbia University	Flushing, N. Y.
Cornelia Jane Gaskill, B.S., 1932, Cornell University	Peekskill, N. Y.
Ira Gore, A.B., 1934, Cornell University	Brooklyn, N. Y.
Edward James Hehre, A.B., 1934, Cornell University	Pelham Manor, N. Y.
Palaemon Lawrence Hilsman, A.B., 1934, Cornell University	Albany, Georgia
Aaron Himmelstein, B.S., 1933, College of the City of New York	New York, N. Y.
Clayton Stanley Hitchins, A.B., 1934, Cornell University	Lock Haven, Pa.
William Douglas Holden, A.B., 1934, Cornell University	Pittsfield, Mass.
Elmer Leaman Horst, B.S., 1933, Pennsylvania State College	Annnville, Pa.
Elizabeth Page Hosmer, A.B., 1933, Stanford University	Tacoma, Wash.
Horace Leonard Jones, Jr., A.B., 1932, Cornell University	Ithaca, N. Y.
George Leonard Kauer, Jr., B.S., 1933, New York University	New York, N. Y.
Joseph Taylor Kauer, B.S., 1933, New York University	New York, N. Y.
Ernest Ellsworth Keet, Jr., A.B., 1934, Cornell University	Jamaica, N. Y.
Francis Conrad Keil, Jr., A.B., 1932, Columbia University	New York, N. Y.
Putnam Cornelius Kennedy, A.B., 1934, Cornell University	Catskill, N. Y.
Lola Fayette King, A.B., 1933, Vassar College	Shreveport, La.
Newton Krumdieck, A.B., 1933, Columbia University	New York, N. Y.
Andrew Olavi Laakso, B.S., 1933, Tufts College	Plainfield, Conn.
William Caldwell Layton, A.B., 1933, Cornell University	Concordia, Kansas
Harold Lohnaas, A.B., 1933, Columbia University	Brooklyn, N. Y.

- Eugene Leonard Lozner, A.B., 1933, Columbia University
 Norman William MacLeod, A.B., 1933, Cornell University
 Henry Belden Marshall, A.B., 1934, Cornell University
 George Rodney Meneely, B.S., 1933, Princeton University
 William Earl Moore, B.S.Chem., 1932, Pennsylvania Military College
 Hugh Crahan Murphy, B.S., 1933, Cornell University
 Helen Josephine Neave, A.B., 1933, Mt. Holyoke College
 William Alfred Paff, A.B., 1933, Cornell University
 William Henry Pettus, Jr., B.S., 1933, University of Richmond
 Donald Burns Read, A.B., 1933, Cornell University
 Charles Hiram Richards, B.S., 1933, New York University
 Charles Burling Roesch, A.B., 1934, Cornell University
 Arthur Merriam Rogers, A.B., 1933, Yale University
 George Parke Rouse, Jr., A.B., 1933, Amherst College
 Elizabeth Rusch, A.B., 1933, Vassar College
 George Schaefer, B.S., 1933, New York University
 Raymond Schwartz, A.B., 1934, Cornell University
 Arthur Walter Seligmann, A.B., 1933, Columbia University
 Edwin McRae Shepherd, B.S., 1933, Hampden-Sydney College
 Irving Ernest Sisman, B.S., 1933, College of the City of New York
 Henley Sklarsky, A.B., 1934, Cornell University
 Saul Mouchley Small, B.S., 1933, College of the City of New York
 Eva Virginia Smith, A.B., 1931, Smith College
 William Howard Sternberg, A.B., 1933, Cornell University
 Kenneth Aloysius Tyler, A.B., 1934, Cornell University
 Daniel Gilroy Unangst, B.S., 1929, Rutgers University
 Edward Haughton Vincent, B.S., 1933, Harvard University
 Walter Eugene Vogt, B.S., 1933, Lafayette College
 Chauncey Prentiss Ward, A.B., 1933, Princeton University
 Charles Oscar Warren, Jr., A.B., 1927, Cornell University;
 M.Sc., 1929, Ph.D., 1933, New York University
 Richard Hutchins Whelpley, A.B., 1933, Union College
 Edwin Thurston Williams, B.S., 1933, Washburn College
 George Wineburgh, A.B., 1934, Cornell University
 Jesse Charles Woodward, A.B., 1933, University of California
 New York, N. Y.
 New York, N. Y.
 Horseheads, N. Y.
 Garden City, N. Y.
 Newark, N. J.
 Eastport, N. Y.
 Glen Ridge, N. J.
 Easton, Pa.
 Charleston, W. Va.
 Golden, Col.
 Port Byron, N. Y.
 Staten Island, N. Y.
 Madison, N. J.
 Ridley Park, Pa.
 New York, N. Y.
 Middle Village, L. I.
 Stamford, Conn.
 New York, N. Y.
 Charleston, W. Va.
 Brooklyn, N. Y.
 Niagara Falls, N. Y.
 New York, N. Y.
 Norwich, Conn.
 Evergreen, L. I.
 Ithaca, N. Y.
 Bayonne, N. J.
 Kalamazoo, Mich.
 Jamaica, N. Y.
 Newark, N. J.
 Brooklyn, N. Y.
 Rochester, N. Y.
 Topeka, Kansas
 Utica, N. Y.
 Payette, Idaho

SECOND YEAR

- Lowell Ellenwood Alderman, A.B., 1934, Marietta College
 Robert Joseph Amberg, A.B., 1934, Princeton University
 Gerald Vincent Barrow, B.S., 1934, Washington State College
 Leonard Albert Barrow, B.S., 1933, University of Washington
 Talcott Bates, A.B., 1934, Princeton University
 Ruth Pirkle Berkeley, A.B., 1922, Agnes Scott College;
 M.S., 1926, Emory University
 Carl Siegler Berry, A.B., 1935, Cornell University
 Kingsley Bishop, A.B., 1935, Allegheny College
 Willard James Blauvelt, A.B., 1935, Cornell University
 Austin Patrick Boleman, Jr., B.S., 1934, New York University
 Madeline Burlingame, A.B., 1934, Wellesley College
 William Joseph Busch, A.B., 1934, Cornell University
 Louis T. Campbell, A.B., 1935, Cornell University
 Walter Titus Carpenter, A.B., 1934, Williams College
 Eugene Jerrin Cohen, A.B., M.S., 1934, University of Wisconsin
 Benjamin Wilson Covington, Jr., B.S., 1934, Presbyterian College
 William Henry Curley, Jr., B.S., 1935, Yale University
 Gustave John Dammin, A.B., 1934, Cornell University
 Wilbur George Downs, A.B., 1935, Cornell University
 Robert Stuart Dyer, A.B., 1935, Cornell University
 Aaron Robinson Edwards, A.B., 1934, Cornell University
 Marietta, Ohio
 Maplewood, N. J.
 Machias, Wash.
 Machias, Wash.
 New York, N. Y.
 New York, N. Y.
 Watertown, Conn.
 Nyack, N. Y.
 Port Byron, N. Y.
 New York, N. Y.
 Brooklyn, N. Y.
 New York, N. Y.
 Brighton, Col.
 Brooklyn, N. Y.
 Worcester, Mass.
 Florence, S. C.
 Bridgeport, Conn.
 New York, N. Y.
 Saranac Lake, N. Y.
 Binghamton, N. Y.
 Maryville, Ohio

- Alan Harold Fenton, A.B., 1934, Columbia University
 Wesley Fenton Fitzpatrick, B.S., 1928, Yale University
 Ellen Bellows Foot, A.B., 1934, Smith College
 William Isaac Glass, A.B., 1934, College of the City of New York
 Elizabeth Hull Gregory, A.B., 1934, Marietta College
 Stephen Lawrence Gumpert, A.B., 1934, Amherst College
 Lawrence Wilson Hanlon, A.B., 1935, Cornell University
 Helen Stevens Haskell, A.B., 1927, Cornell University;
 A.M., 1929, Columbia University
 Emerson Randolph Hatcher, A.B., 1934, Berea College
 Martin Joseph Healy, Jr., A.B., 1934, Holy Cross College
 Allen Wesley Hildreth, A.B., 1935, Cornell University
 Frederic Joseph Hughes, A.B., 1935, Cornell University
 John David Hunter, A.B., 1935, Cornell University
 Quentin McAdams Jones, A.B., 1935, Cornell University
 Walter Gorringer King, A.B., 1931, Colgate University
 Frederick Stephen Kinder, A.B., 1934, Cornell University
 Gilbert Lacy Klemann, A.B., 1934, Williams College
 George Mahlon Knapp, A.B., 1935, Columbia University
 Robert Miller Laughlin, A.B., 1934, Ohio University
 Aaron Lee Lichtman, B.S., 1934, College of the City of New York
 Ann Lavinia Martin, A.B., 1935, Cornell University
 Harold Henderson Meanor, Jr., B.S., 1934, Washington & Jefferson
 Stephen Christopher Meigher, A.B., 1934, Dartmouth College
 Curtis Lester Mendelson, A.B., 1934, University of Michigan
 Alvin Robert Mintz, A.B., 1935, Cornell University
 Cornelia Davis Morse, A.B., 1934, Cornell University
 Stanley Fletcher Morse, Jr., A.B., 1934, Williams College
 Monica Noonan, A.B., 1933, Skidmore College
 Robert Carl Nydegger, A.B., 1935, University of Wyoming
 Barnard David Patterson, A.B., 1934, Columbia University
 Charles Ressler, B.S., 1934, Lafayette College
 Joseph George Rieckert, A.B., 1935, Cornell University
 George Michael Robertson, A.B., 1934, New York University
 Haskell Benjamin Rosenblum, A.B., 1933, Cornell University
 Graham Lewis Russell, A.B., 1935, Cornell University
 Stuart Sanger, B.S., 1928, Yale University
 Howard Ralph Sievers, B.S., 1934, Massachusetts State College
 John James Smith, A.B., 1934, St. Peter's College
 Elizabeth Bond Stout, A.B., 1934, Wellesley College
 Hoyt Chase Taylor, A.B., 1933, A.M., 1934, Wesleyan College
 Norman Davis Thetford, A.B., 1934, Cornell University
 Marvin Loughran Thompson, A.B., 1934, Wesleyan College
 Frederick Charles Thorne, A.B., 1930, A.M., 1931, Ph.D., 1934
 Columbia University
 Stephen Herbert Tolins, A.B., 1934, Cornell University
 Daniel Michael Tolmach, A.B., 1935, Cornell University
 Arthur Friedman Valenstein, A.B., 1934, Cornell University
 Roger Gilbert Windsor, A.B., 1935, Cornell University
 Griffith Joel Winthrop, A.B., 1935, New York University
 Herbert John Wright, Jr., A.B., 1934, Cornell University
 Pelham, N. Y.
 Pearl River, N. Y.
 New York, N. Y.
 Bronx, N. Y.
 Brooklyn, N. Y.
 New York, N. Y.
 Odessa, N. Y.
 Malone, N. Y.
 Berea, Ky.
 New York, N. Y.
 Bay Shore, N. Y.
 Plainfield, N. J.
 Maplewood, N. J.
 Utica, N. Y.
 Binghamton, N. Y.
 Staten Island, N. Y.
 New Rochelle, N. Y.
 Larchmont, N. Y.
 Pittsburgh, Pa.
 New York, N. Y.
 New York, N. Y.
 Coraopolis, Pa.
 Schenectady, N. Y.
 New York, N. Y.
 Morristown, N. J.
 Auburn, N. Y.
 Sumter, S. C.
 Rome, N. Y.
 Laramie, Wyo.
 Queens Village, N. Y.
 Englewood, N. J.
 Richmond Hill, N. Y.
 Oswego, N. Y.
 Butler, Pa.
 Jersey City, N. J.
 New York, N. Y.
 Amherst, Mass.
 Rahway, N. J.
 Pleasantville, N. Y.
 Norwich, Conn.
 Belleville, N. J.
 Jamaica, N. Y.
 Flushing, N. Y.
 New York, N. Y.
 Brooklyn, N. Y.
 New York, N. Y.
 Maplewood, N. J.
 New York, N. Y.
 Schoharie, N. Y.

FIRST YEAR

- Thomas Pattison Almy, A.B., 1935, Cornell University
 William Stevenson Armour, A.B., 1935, Cornell University
 William Horton Bowden, B.S., 1935, Hobart College
 William Gunton Budington, Columbia University*
 Redding, Conn.
 East Orange, N. J.
 Geneva, N. Y.
 New York, N. Y.

*Admitted under Clause II.

- Francis Guy Casey, B.S., 1935, Manhattan College
 Melva Adeline Clark, A.B., 1935, Wellesley College
 Charles Wilson Collins, Jr., B.S., 1935, University of Virginia
 George Levering Crane, A.B., 1935, University of North Carolina
 Dorothy Morgan Currier, A.B., 1935, Pembroke College
 John Henry Dale, Jr., B.S., 1935, Hamilton College
 Alfred Dudley Dennison, Jr., A.B., 1935, Hamilton College
 William Richard Donaldson, Jr., A.B., 1935, Amherst College
 Thomas Joseph Dring, B.S., 1935, Rhode Island State College
 Charles Dusenberry, A.B., 1935, Princeton University
 Henry Goebel, A.B., 1935, Columbia University
 Mordecai Henry Gordon, B.S., 1934, New York University
 Harvey Paterson Groesbeck, Jr., A.B., 1935, Union College
 Gert Steuerwald Gudernatsch, A.B., 1935, Cornell University
 Arthur Digby Hengerer, A.B., 1935, Hamilton College
 Joseph Timothy Houlihan, B.S., 1935, Pennsylvania State College
 Ivan Isaacs, A.B., 1935, Cornell University
 Herman Lawrence Jacobius, Columbia University*
 Richard Gentry Jackson, A.B., 1935, Centre College
 Erben Anderton Jenkins, A.B., 1935, Princeton University
 August Martin Kleeman, B.S., 1935, Harvard College
 Frederick John Knocke, A.B., 1935, Princeton University
 Edward Charles Kunkle, Jr., A.B., 1935, Haverford College
 Robert Landesman, Columbia University*
 Vincent de Paul Larkin, A.B., 1935, Fordham University
 Louis Frederick Licht, Jr., A.B., 1935, Yale University
 James Henry Lockhart, Jr., A.B., 1935, Princeton University
 Mary Garrison McClintock, A.B., 1929, Smith College
 Hamilton Meeks McCroskery, A.B., 1935, Wesleyan University
 James Gordon Meyers, A.B., 1931, Colgate University;
 A.M., 1934, New York University
 Donald Richard Morrison, B.S., 1935, Fordham University
 Hugh Mullan, B.S., 1934, U. S. Naval Academy
 William Scott Piper, B.S., 1935, Pennsylvania State College
 Francis Zenville Reinus, A.B., 1934, Amherst College
 Marjorie Cornelia Rice, A.B., 1935, Mills College
 Charles Adrian Sand, Columbia University*
 Alan Gilbert Simpson, Jr., A.B., 1935, Wesleyan University
 Lois Miller Smedley, A.B., 1935, Mount Holyoke College
 Raymond Arthur Sterrett, A.B., 1926, Princeton University
 Richard Harrington Stevens, A.B., 1935, Bard College
 Arthur Churchill Stirling, A.B., 1935, Princeton University
 Joseph Deuel Sullivan, B.S., 1935, Fordham University
 Vivian Allison Tenney, A.B., 1935, Barnard College
 Duane Richard Terry, A.B., 1927, Occidental College;
 Th.B., 1931, Princeton Theological Seminary
 Ralph Raymond Tompsett, A.B., 1934, Cornell University
 LeRoy Otten Travis, A.B., 1935, Lehigh University
 John McCullough Turner, Ph.B., 1931, Yale University
 Cyril Tyson, A.B., 1935, Yale University
 John Howard Van Dyke, A.B., 1935, Colgate University
 George Arthur Vassos, Jr., Massachusetts State College*
 William Graves Woodin, Cornell University*
 Brooklyn, N. Y.
 Hempstead, N. Y.
 East Orange, N. J.
 New York, N. Y.
 Providence, R. I.
 Englewood, N. J.
 Johnstown, N. Y.
 Douglaston, N. Y.
 Newport, R. I.
 New York, N. Y.
 Jamaica, N. Y.
 Tarrytown, N. Y.
 Schenectady, N. Y.
 New York, N. Y.
 Buffalo, N. Y.
 Avoca, Pa.
 New York, N. Y.
 New York, N. Y.
 Danville, Ky.
 Plainfield, N. J.
 Maplewood, N. J.
 New York, N. Y.
 Mount Vernon, N. Y.
 New York, N. Y.
 New York, N. Y.
 Great Neck, N. Y.
 Pittsburgh, Pa.
 Brookline, Mass.
 East Orange, N. J.
 New York, N. Y.
 New York, N. Y.
 Staten Island, N. Y.
 Clearfield, Pa.
 New York, N. Y.
 Berkeley, Cal.
 San Francisco, Cal.
 Douglaston, N. Y.
 Brooklyn, N. Y.
 New York, N. Y.
 Tuckahoe, N. Y.
 Kenmore, N. Y.
 New York, N. Y.
 New York, N. Y.
 Scarsdale, N. Y.
 Tidioute, Pa.
 Great Neck, N. Y.
 New York, N. Y.
 Pelham, N. Y.
 Palisades Park, N. J.
 Springfield, Mass.
 Dunkirk, N. Y.

*Admitted under Clause II.

FIRST YEAR STUDENTS AT ITHACA

Thomas Lyon Ball, Cornell University*	Mahanoy City, Pa.
Henry Saunder Berkowitz, A.B., 1935, Cornell University	Brooklyn, N. Y.
Raymond Milton Brown, B.S., 1935, Cornell University	New York, N. Y.
Walter Richard Buerger, Cornell University*	Eggertsville, N. Y.
Nathaniel Cohen, A.B., 1935, Cornell University	Brooklyn, N. Y.
Herman Feinstein, Cornell University*	Huntington, N. Y.
Sarah E. Flanders, A.B., 1935, Bryn Mawr College	New York, N. Y.
J. Scott Gardner, A.B., 1935, University of Utah	Cedar City, Utah
Julian P. Griffin, B.S., 1935, Massachusetts State College	Indian Orchard, Mass.
Edwin Harrison Hilborn, Cornell University*	Phoenix, N. Y.
Leroy Hyde, A.B., Cornell University*	Brooklyn, N. Y.
Louis R. Kent, A.B., 1935, Oberlin College	Port Washington, N. Y.
John F. Mackey, Jr., A.B., 1933, Rollins College	Kansas City, Mo.
Malcolm Judd Mann, Cornell University*	Ithaca, N. Y.
John Henry Mayer, Jr., Cornell University*	Kansas City, Mo.
Harriett Ellen Northrup, Cornell University*	Ellicottville, N. Y.
George E. Poucher, Jr., A.B., 1934, DePauw University	Rochester, Pa.
Charles Edward Robinson, Jr., Cornell University*	Brooklyn, N. Y.
Karl Dean Rundell, Cornell University*	Owego, N. Y.
Addison Beecher Scoville, Jr., Cornell University*	Mt. Vernon, N. Y.
Charles Steenburg, Cornell University*	Spencer, N. Y.
Frederick Albert Wilson, A.B., 1935, Cornell University	Sag Harbor, N. Y.
Robert J. Whipple, B.S., 1935, New York University	McConnellsville, N. Y.
Harold Samuel Wright, Cornell University*	Norwood, N. Y.

SUMMARY

Fourth Year	64
Third Year	76
Second Year	70
First Year (New York)	56
First Year (Ithaca)	24
Total	290

*Admitted under Clause II.

